

A yellow Hydrema backhoe loader is shown in a construction setting, dumping a load of soil from its bucket. The machine is positioned on a pile of dirt, and another similar machine is visible in the background. The sky is blue with some clouds.

HYDREMA

Hydrema

906F 908F 926F 928F

BACKHOE LOADERS

Innovative earthmoving since 1959

Since 1959 Hydrema has developed, manufactured, sold and serviced high-tech construction machines. Efficient, innovative and high-quality machines. Our products distinguish themselves from other products on the market through their technical and physical capabilities. Very well suited to perform specialised tasks in construction and installation work.

 **HYDREMA**

When only the best is good enough.

Hydrema is known for developing machines of high quality that boast excellent durability and high resale value. Our machines live up to their promise, even when used in the most demanding of conditions.

Hydrema's backhoe loaders have features and functions that enable them to stand out from their competitors. They are quite simply the most efficient and flexible backhoe loaders on the market.

They're built for hard work - every day, all year round - for customers who have the highest demands with regard to equipment: leading contractors, construction companies, plant hire companies, agricultural and forestry organisations.

The development of the F series is based on Hydrema's 60 years experience of hydraulic construction equipment, combined with intelligent innovation and new technology - and always with the same goal: only the best is good enough.

Experience, high quality and innovation with unique features combine to create the ultra-modern, powerful and efficient 900F series.

Unique features, functions and adjustment options increase efficiency.



Up to 280° operating range



Pivot steering



Strong Z-bar linkage



Double Command



Loader follows driving direction



Comfort



Optimum tracking - minimal ground pressure



Quality

40 years' experience with articulated backhoe loaders and collaboration with the world's best machine operators are your guarantees of a robust and user-friendly machine.

Enjoy the ride. It's comfortable, quiet and powerful.

Pivot steering with weight transfer

The core of the machine is the articulated pivot steering system and hydraulic stabilisers that automatically transfer weight to the wheels that are in contact with the ground.

This means that the machine runs smoothly, safely and effortlessly across even very uneven or soft terrain.

The articulated design provides the operator with great stability and increased manoeuvrability.

At the same time, the front and rear wheels always run in the same tracks, thus ensuring minimal damage to the ground.

It's all in your hands...

The operator can drive and steer the machine even with his back to the steering wheel. By activating Double Command on

the machine's joysticks, all the machine's functions can be controlled, regardless of whether the operator sits facing the loader or the excavator. This enables, for example, soil to be levelled without any interruptions to the workflow, thus saving time and ensuring a consistent rhythm in the operator's routines, which in turn produces a better result.

The joysticks can be adjusted as required. Soft start or quick response – it's up to you.



906F & 908F - Compact All-Rounder

The latest generation of 906F and 908F models are more compact. The front chassis of the machines has been redesigned in order to optimise operator visibility down along the descending bonnet. This makes it easier to work and fit front end tools. The machines also have more power than before – now 122 hp.

926F og 928F - Strong workhorse

926F and 928F are the flagships when it comes to articulated backhoe loaders. These strong machines represent the peak of performance, stability, comfort and productivity. With a powerful engine developing 145 hp, an intelligent ZF transmission and a hydraulic flow of up to 220 l/min. They have plenty of power for both loading and excavating tasks.

GENUINE LOADER

Powerful, fast and efficient.

LOADS UP TO 1.7 M³
IN THE SHOVEL

**Power, stability and work rate are on a par
with a genuine loader.**

It looks easy – that's because it is!

The 900F series loads up to 1.7 m³ in its shovel, which represents a loading capacity up to 250 m³ per hour.

The parallel lift and the special Z-bar linkage of the loader make it easy to fill the shovel. The pivot steering increases the machine's power as the front wheels always follow the direction of the front shovel. At the same time, the operator can easily position the front shovel with great accuracy simply by turning the steering wheel.

Along with a powerful tilt cylinder and Return-To-Dig function, this gives high breakout force and speed.

The combination of pivot steering, solid construction, high-torque Cummins engine and strong transmission underlines why a Hydrema backhoe loader easily matches the breakout force, loading force and work rate of a genuine 10-tonne loader!

**Easily operated joysticks provide
the operator with full control**

The machine is equipped with a load suspension system, Return-to-dig and ESD system as standard. The loader is controlled comfortably and simply with joysticks which make operation straightforward and facilitate a smooth workflow.

By using Hydrema's unique Double Command (ESD) system, the machine's driv-

ing and steering mechanism can be manoeuvred from the same joysticks as the loader without using the steering wheel. This means that the operator only needs to focus on the joysticks, which provides faster work rate and greater comfort. The joystick characteristics and control speed on the double command can be adjusted to suit the operator.

Full throttle with a full shovel

With a load in the shovel, the load suspension system and ESD system ensure a soft, smooth ride even at speed and in rough terrain.



GENUINE EXCAVATOR

The largest digging area on the market.

2800
BIG, BIGGER,
BIGGEST:

The F series excels with the largest digging area on the market, a large digging capacity and flexibility.

Impressive operating range

The excavator has been developed with focus on achieving the maximum operating range so that work can be carried out with the greatest possible efficiency.

This digging range - between 200-280° - is the highest on the market and makes it possible to perform tasks even when space is tight.

The F series is available either with or without Hydrema's unique side-shifting of the dipper.

On 906F/926F the dipper can be side-shifted hydraulically by 1.6 m, giving the machine an impressive digging range of up to 280°.

On 908F/928F the dipper is centre-mounted, giving a digging range of 200°. Mobility can be increased by side-angling (optional), which increases the digging range to 250°.

Plenty of power in reserve whatever the task

The excavator can carry out any task, ranging from minor excavation work requiring great accuracy to major pipe-laying and cable projects that require great power and flexibility.

The breakout force is one of the highest in its class and the machine has plenty of power at both high and low speed.

Both the boom and dipper are equipped with a hose burst valve, providing maximum safety during lifting.

Long life

The boom and dipper have maximum rigidity and strength, as the excavator is constructed with closed profiles in high-strength steel. Combined with Hydrema's special double seals in all moving links which protect the bearings from dirt and debris, this ensures long service life and low operating costs.



Nobody's perfect. Even if you've parked slightly out of position, you can still work efficiently. You're never parked the wrong way.

The excavator has long reach, can dig deep and load high. By choosing an optional telescopic arm, the digging depth and reach are increased by a further 120 cm. Capacity can be varied through a wide range of buckets.

Flow Sharing

Flow Sharing ensures a smooth digging cycle and saves fuel.

Even at low engine speeds and low hydraulic pressure, a good and efficient digging cycle is maintained thanks to the fact that electronic Flow Sharing evenly distributes the quantity of oil between the excavator's main functions.

When working at low engine speeds, there may briefly be a need for more speed if the operator requests more oil than the current pump flow. In this case, the engine revs rise automatically, thus increasing the oil flow accordingly.

Flow Sharing is a comfortable and fuel-efficient function that also minimises wear and tear on the engine and excavator.

Mode Control

Flexible Mode Control enables the operator to adjust the machine's digging speed depending on the job at hand. It's particularly important to be able to limit the excavator's speed during lifting tasks. This has benefits in terms of both safety and quality.

Stable and efficient

When the stabilisers and loader shovel are on the ground, this support provides great stability and safety during digging.

The digging brake can automatically lock all wheels and the pivot can also be locked automatically in order to make the machine "stiff" and thereby achieve full support when digging and lifting.

The ability to manoeuvre the machine using joysticks even when the operator is facing the excavator, means that tasks can be carried out more efficiently.



MUCH MORE THAN A BACKHOE LOADER:

The efficient multi-function machine every construction site needs.

A genuine multi-function machine

The machines are built on a heavy-duty chassis of high-strength steel, thus making them extremely durable.

The design features a fully fledged loader with good dozer features at the front and a powerful and precise excavator at the rear.

This combination makes the machines flexible, versatile and efficient, regardless of whether work is being carried out at a construction site, or involves road construction, pipe-laying tasks or other earthmoving jobs.

With hydraulic quick hitch on both the loader and the excavator as standard, a wide range of different tools can be fitted. Hose burst valves on both the dipper and the boom make lifting safe. Furthermore, the machine can acquire even more flexibility by fitting an Engcon tiltrotator.

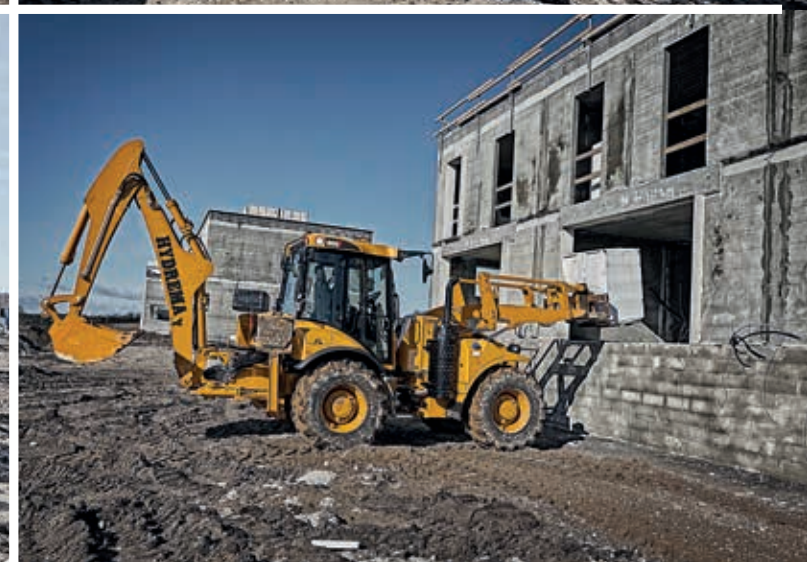
The rubber wheels make the machine extremely mobile, enabling it to move quickly from one job to the next. With excellent handling, the machine is stable and manoeuvrable, regardless of how rough the terrain is. High speed on the road reduces transport time between jobs.

Only your imagination puts a limit on what can be done with a Hydrema backhoe loader. Hereby a single operator can perform many different tasks, which ensures great flexibility and excellent utilisation of the machine.

Compact all-rounder or strong work-horse – which on do you choose?

906F/908F is very compact and absolutely ideal as a multi-function machine at the construction site, moving quickly and safely from one job to the next.

If you require even more capacity then the 926F & 928F provides everything the 906F/908F has to offer and more...



**Dig, load, lift, move, level
– a single 900F backhoe
has the capacity to solve a
range of different tasks at
the construction site.**



Get a great, comfortable overview.

The best working environment

The 900F cab is developed to ensure the best possible working environment and maximum safety for the operator.

Although the cab is spacious, noise levels are no higher than in a medium-sized family car. This contributes to a comfortable and productive working environment throughout a long working day.

When the seat is turned from driving to digging position, the steering wheel automatically tilts up and returns to the same position when the seat is turned back to the driving position.

Based on careful studies of day-to-day working routines and the operator's optimum working position, all functions are designed to be close at hand. Air conditioning with 10 air vents is standard.

The Autostop function switches off the engine automatically when idling in order to reduce noise and fuel consumption.

Suspension

The carefully designed cab with suspension ensures a high degree of comfort and reduces vibrations and operator fatigue.

The cab on 906F/908F has rubber suspension to reduce vibration.

The cab on 926F/928F has spring suspension. A 4-point system with four spring units with self-levelling and stabilising bars reduces the movement from the axles and the chassis, as well as the noise level in the cab. The benefits of the 4-point suspension system are particularly noticeable when driving fast on the road or in rough terrain.

The vibrations are dampened as much as possible by the fluid-filled silentbloc

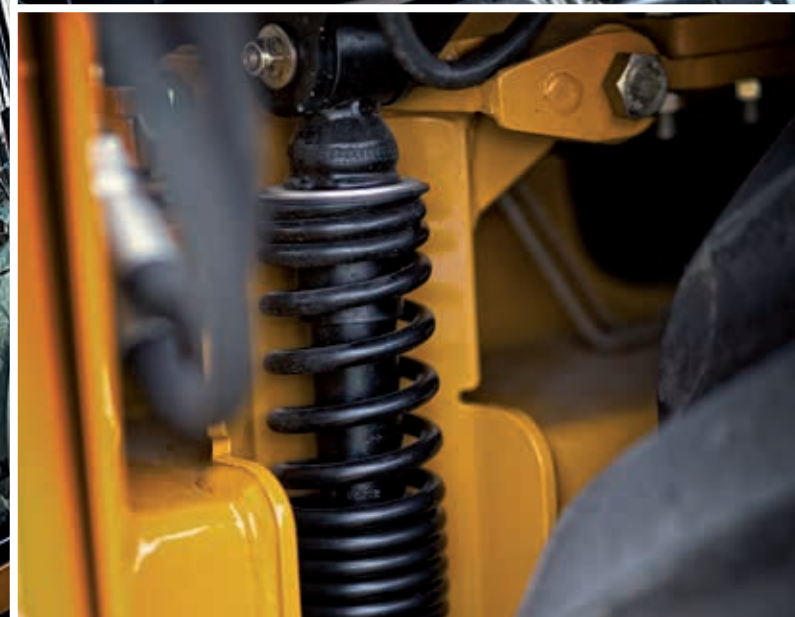
User-friendly operation

User-friendly and clear keypad panels are located in the A and B pillars.

The machine is equipped with an instrument display with a 6.4" flatscreen that provides the operator with lots of information and individual adjustment options.

A new electronic architecture enables the operator to adjust the control of the joysticks and the hydraulic functions, including flow settings, directly from the display.

The user menu is easy to use. The computer has data acquisition, a hire menu and diagnostic tools. In the event of a fault on the machine, a clear text message will appear on the display.



Easy access to service and maintenance.

Reliability and easy service have been key requirements in the development of the F-series.

The large curved bonnet opens at the front and provides unhindered access to service and maintenance of the engine and radiator.

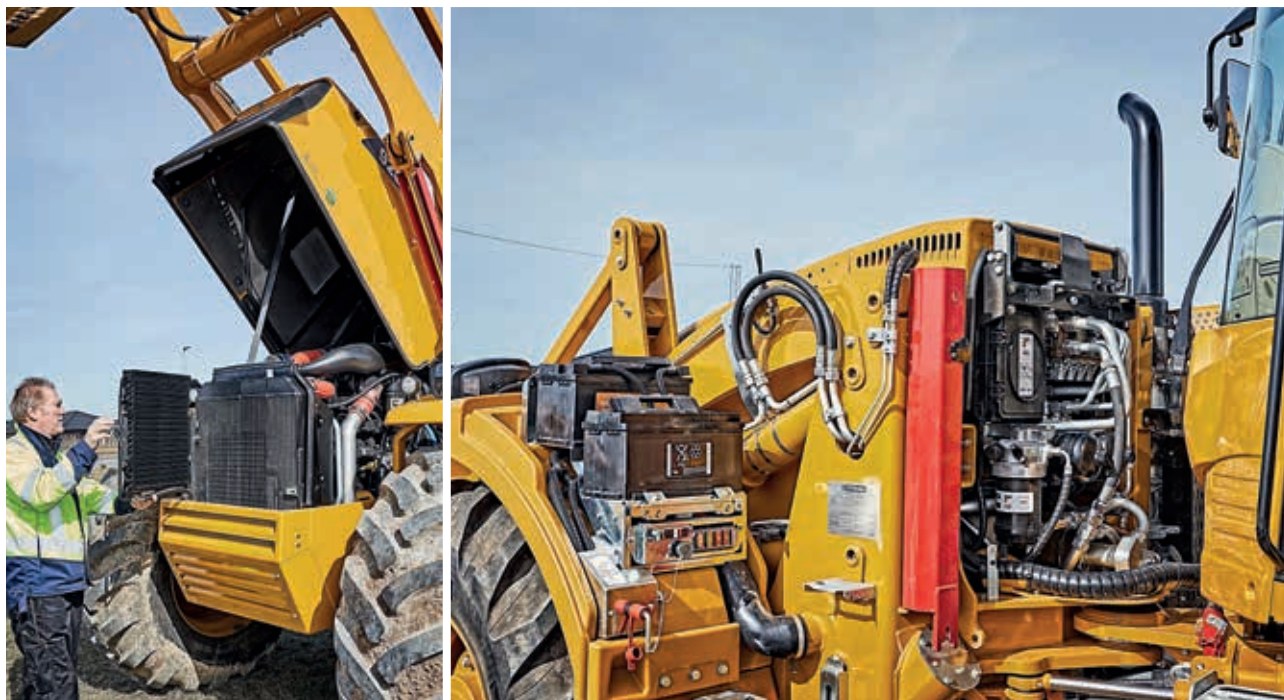
Both the hydraulic tank and the fuel tanks are integrated into the chassis, thus providing easy access for refueling and service.

The two front mudguards have AdBlue system and integrated batteries respectively.

By simply opening the bonnet and removing the cover plate in the pivot point, you get full access to all checkpoints and filters.



The automatic lubrication system (optional) - enables the machine to look after itself by automatically allocating grease as and when required.





STANDARD & OPTIONAL EQUIPMENT

The right equipment makes everyday work easier.

STANDARD

Eksterior

Tyres: 500/70x24" (906F/908F)
Tyres: 480/80x26" (926F/928F)
4-point cab suspension (926F/928F)
Limited slip differential lock - front axle
100% disc differential lock - rear axle
Pendulum lock of pivot
Digging brake
Loader suspension
Hydraulic option, 18 mm pipe layout, loader
Hydraulic Hydrema quick hitch, loader
Hydraulic Hydrema quick hitch, excavator
Electrically controlled fan
Rotating warning beacon
Flashing warning light front and rear
Automatic Return-To-Dig on loader
Electrically heated side mirrors front/rear

Electrically adjustable mirrors
Automatic headlights
8 Megabeam work lights
Belly plates under stabiliser cylinders
7-pole socket for trailer (24V)
Variable speed intermittent
windscreen wipers front and rear
Warning triangle

Interior

Climate control system
Headrest
Radio - mute in joystick
Heated seat
Cruise control
Electrically adjustable steering wheel

Integr. joystick in armrest of operator's seat
Electric Servo in joystick
Electric seat console
Electric hand throttle with autom. function
Electric parking brake
Sunblind, front window
Sunblind, rear window (926F /928F)
Refrigerator for beverages, etc.
12V and 24V sockets in cab
Portable lamp
Red night lighting in cab
Interior rear-view mirror
Windscreen wiper operation in joystick
Keypad switches

OPTIONAL EQUIPMENT

Eksterior

Optional tyres 906F/908F:
480/80x26
600/55x26.5 (Twin tyres)
540/65Rx28"
Optional tyres 926F/928F:
650/55Rx30.5" (Twin tyres)
20.5R-25-EM
540/65R x30.5"
Hydraulic quick hitch, loader, BM 4200
Telescopic arm excavator
Hydraulic hammer pipe layout
Double pipe layout on excavator ø12 and ø15
Hydraulic quick hitch, excavator, BM 12
Hydraulic quick hitch, excavator, BM 14
Articulated stabilisers 906F/926F

Rubber plates for stabilisers
Short dipper for tiltrotator
Tiltrotator with or without grab
Tiltrotator quick hitch with or without grab
Extra LED work light front/rear up to 5 units
8 LED work lights cab
8 Xenon work lights cab
Automatic central lubrication system
Automatic central lubrication tiltrotator
LED headlights
Inner mudguards for 906F/908F
with 24" wheels
Mudguards extension set for twin tyres
Mud flaps
Holder for hand shovel

Belly plate front
Bio-hydraulic oil
Preparation for number plate
(40 km approval)
Engine pre-heater 230V
Special colour

Interior

Air-suspended seat with longitudinal dampening
Front and rear camera with monitor
GPS tracking
GPS data
DAB radio
Steering wheel spinner knob

PERFORMANCE & TECHNOLOGY

Extensive experience
and new technology in
perfect combination.

Chassis

Articulated chassis in heavy-duty robot-welded construction with fixed axles. Pivot joint with pendulum bar and double hydraulic stabilisers with option of locking the oscillating movement.
Oscillating angle: +/- 11°.

Hydraulic system

906F/908F:
Load-sensing system with variable pump. 163 l/min and 235 bar.

926F/928F:
Load-sensing system with variable pump. 220 l/min and 240 bar.

ESD with Double Command, electronic Flow Sharing, ECO mode and Mode Control for all models

Axles

Rigid, fixed axles with hub reduction. Automatic limited slip differential lock on front axle, 100% electro-hydraulic differential lock on rear axle.

Steering

Hydrostatic steering with Load Sensing and two double-acting cylinders with end brake.
Pivot steering angle: +/- 35°.

Fuel

Diesel: 155 litre tank.
AdBlue: 14 litre tank.

Transmission

906F/908F:
DANA 6/3 gears fully automatic electronically controlled transmission. Double “kick down”. Torque converter with torque increase. No. of gears: 6 forward/3 reverse. Permanent 4-wheel drive.

926F/928F:
ZF WG115, 6-speed fully automatic “ERGO-POWER” Soft-Shift transmission with 100 % electronic control. Electronically controlled pressure on each clutch ensures completely smooth gearshift without any loss of tractive force. No. of gears: 6 forward/3 reverse. Permanent 4-wheel drive.

Brakes

Twin-circuit hydraulic servo system with oil-immersed disc brakes on all wheels. Electro-hydraulic “Failsafe” parking brake that operates the wet disc brakes on the front axles.

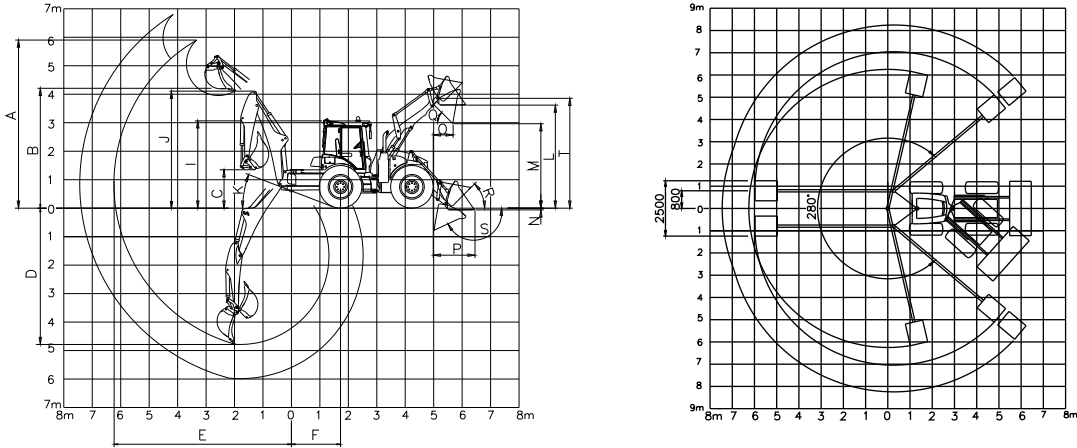
Engine

Cummins QSB 4.5 stage 4 motor with DOC and SCR catalytic converter with AdBlue

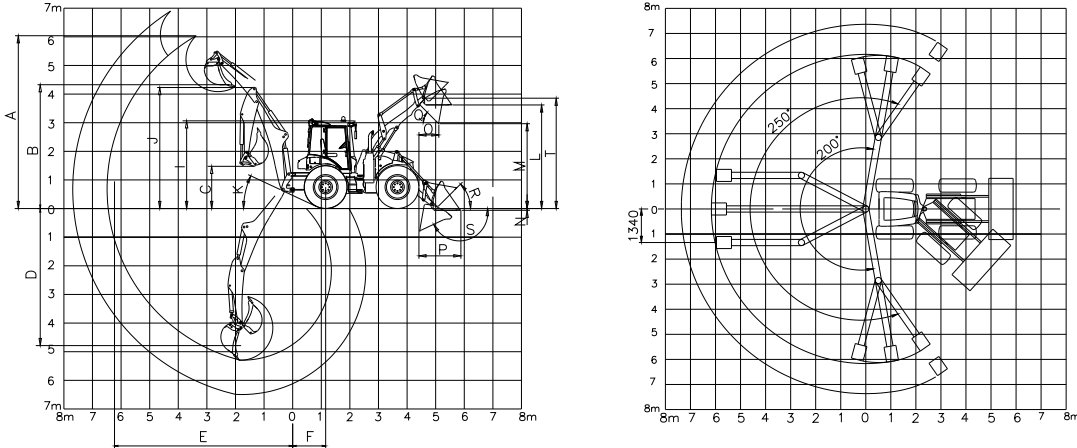
906F/908F:
Max. 90 kW (122 hp).
Torque 470 Nm.
at 1500 rpm.

926F/928F:
Max. 108 kW (145 hp).
Torque 597 Nm.
at 1500 rpm.

906F dimensions



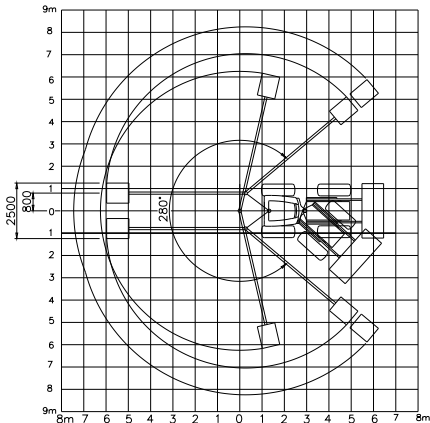
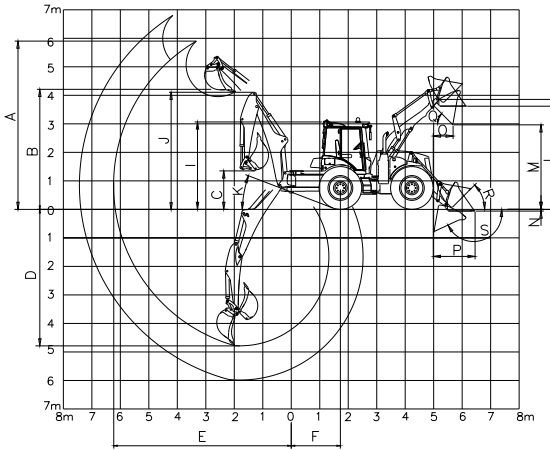
908F dimensions



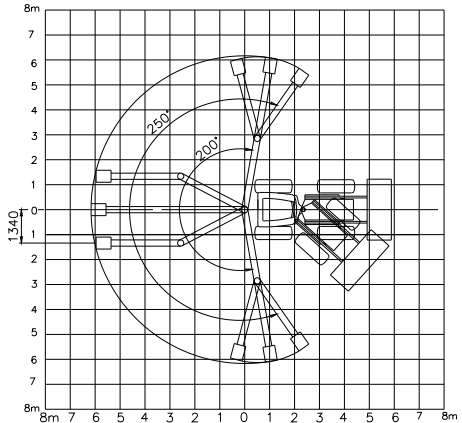
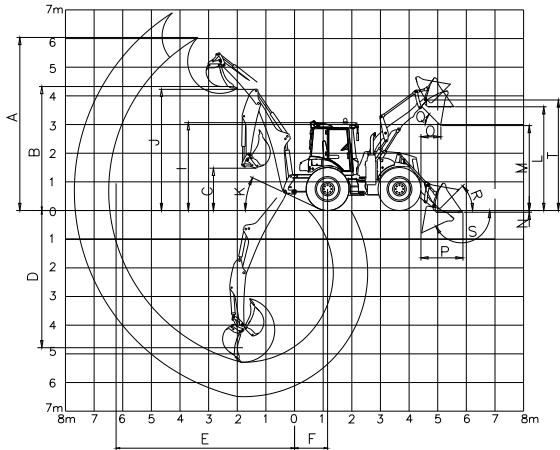
		906F	906F	908F			
			Telescope		Telescope	Side angle	Telesc./Side angle
Total weight w/ standard shovel	kg	9.200	9.400	9.100	9.300	9.200	9.400
Width over std. tyres	mm	2.300/2.290*	2.300/2.290*	2.280/2.310*	2.280/2.310*	2.280/2.310*	2.280/2.310*
Track	mm	1.800/1.810*	1.800/1.810*	1.780/1.810*	1.780/1.810*	1.780/1.810*	1.780/1.810*
Wheel base	mm	2.555	2.555	2.555	2.555	2.555	2.555
Turning radius - outer shovel corner	mm	5.600	5.600	5.600	5.600	5.600	5.600
Excavator							
Bucket size, max. (ISO 7451)	m³	0,35	0,35	0,43	0,43	0,43	0,43
Slew angle	°	280	280	200	200	200+2x25	200+2x25
A Approach height, max.	mm	6.110/6.160*	6.200/7.030*	6.100/6.130*	6.140/6.940*	6.100/6.130*	6.140/6.940*
B Lifting height - level base of bucket	mm	4.260/4.310*	4.340/5.190*	4.260/4.290*	4.330/5.140*	4.260/4.290*	4.360/5.140*
C Bucket clearance	mm	1.290/1.340*	1.270/1.320*	1.300/1.350*	1.300/1.350*	1.300/1.350*	1.300/1.350*
D Excavating depth	mm	4.810	4.760/5.960*	5.440/5.390*	5.450/6.650*	5.440/5.390*	5.450/6.650*
E Reach	mm	6.130	6.160/7.300*	6.500	6.500/7.640*	6.500	6.500/7.640*
F Distance - centre pivot to rear axle	mm	1.640	1.640	1.150	1.150	1.150	1.150
G Bucket rotation	°	190	170	190	190	190	190
H Ground clearance - under machine	mm	380/430*	380/430*	380/430*	380/430*	380/430*	380/430*
I Transport height, min.	mm	2.970/3.020*	2.970/3.020*	2.960/3.020*	2.960/3.020*	2.960/3.020*	2.960/3.020*
J Transport height, normal	mm	4.080/4.130*	4.080/4.130*	4.090/4.140*	4.090/4.140*	4.090/4.140*	4.090/4.140*
K Angle of departure	°	20/21*	20/21*	23/24*	23/24*	23/24*	23/24*
Sideshift	mm	1.500	1.500	-	-	-	-
Beakout force, excav. cyl. - max. bucket (ISO 6015)	kN	37,6	37,6	37,6	37,6	37,6	37,6
Breakout force, shove. cyl. - max. shovel (ISO 6015)	kN	57,4	57,4	57,4	57,4	57,4	57,4
Lifting capacity - max. reach excl. appliances	kg	1.450	1.250/950*	1.700	1.500/1.110	1.700	1.500/1.110
Stabilisers - supporting width	mm	3.800	3.800	3.930	3.930	3.930	3.930
Stabilisers - max. alignment angle	°	11,5	11,5	11,5	11,5	11,5	11,5
Loader							
Shovel volume, max.	m³	1,4	1,4	1,4	1,4	1,4	1,4
L Lifting height - horizontal shovel	mm	3.445/3.495*	3.445/3.495*	3.480	3.480	3.480	3.480
M Clearance height - tipped shovel	mm	2.880/2.930*	2.880/2.930*	2.890	2.890	2.890	2.890
N Excavating depth - horizontal shovel	mm	180/130*	180/130*	140	140	140	140
O Reach from machine to tipped shovel	mm	660	660	660	660	660	660
P Reach at ground level	mm	1.390	1.390	1.390	1.390	1.390	1.390
Q Emptying angle - max height	°	44	44	44	44	44	44
R Back-tip angle - ground level	°	46	46	46	46	46	46
S Dumping angle - ground level	°	100	100	100	100	100	100
T Height, shovel pivot	mm	3.670/3.720*	3.670/3.720*	3.710	3.710	3.710	3.710
Lifting capacity - max. height excl. appliances	kg	4.500	4.500	4.500	4.500	4.500	4.500
Breakout force - 1.4 m3 shovel (ISO 8313)	kN	73	73	73	73	73	73
Width, standard shovel	mm	2.380	2.380	2.380	2.380	2.380	2.380

Data specified with: Std. tyres / 480/80X26 tyres*

926F dimensions



928F dimensions



		926F	926F	928F			
			Telescope		Telescope	Side angle	Telesc./Side angle
Total weight w/ standard shovel	kg	9.500	9.700	9.400	9.600	9.500	9.700
Width over std. tyres	mm	2.290	2.290	2.290	2.290	2.290	2.290
Track	mm	1.810	1.810	1.810	1.810	1.810	1.810
Wheel base	mm	2.555	2.555	2.555	2.555	2.555	2.555
Turning radius - outer shovel corner	mm	5.700	5.700	5.700	5.700	5.700	5.700
Excavator							
Bucket size, max. (ISO 7451)	m³	0,43	0,43	0,43	0,43	0,43	0,43
Slew angle	°	280	280	200	200	200+2x25	200+2x25
A Approach height, max.	mm	5.980	6.060/6.860	6.130	6.200/7.000	6.130	6.200/7.000
B Lifting height - level base of bucket	mm	4.130	4.210/5.010	4.290	4.360/5.170	4.290	4.360/5.170
C Bucket clearance	mm	1.220	1.220	1.350	1.350	1.350	1.350
D Excavating depth	mm	4.790	4.740/5.940	5.390	5.400/6.600	5.390	5.400/6.600
E Reach	mm	6.250	6.280/7.420	6.500	6.530/7.670	6.500	6.530/7.670
F Distance - centre pivot to rear axle	mm	1.720	1.720	1.150	1.150	1.150	1.150
G Bucket rotation	°	190	170	190	190	190	190
H Ground clearance - under machine	mm	430	430	430	430	430	430
I Transport height, min.	mm	3.080	3.080	3.020	3.020	3.020	3.020
J Transport height, normal	mm	4.010	4.010	4.140	4.140	4.140	4.140
K Angle of departure	°	18	18	24	24	24	24
Sideshift	mm	1.600	1.600	-	-	-	-
Beakout force, excav. cyl. - max. bucket (ISO 6015)	kN	38,4	38,4	38,4	38,4	38,4	38,4
Breakout force, shove. cyl. - max. shovel (ISO 6015)	kN	58,7	58,7	58,7	58,7	58,7	58,7
Lifting capacity - max. reach excl. appliances	kg	1.500	1.300/1.000	1.750	1.750	1.750	1.750
Stabilisers - supporting width	mm	3.800	3.800	3.930	3.930	3.930	3.930
Stabilisers - max. alignment angle	°	11,5	11,5	11,5	11,5	11,5	11,5
Loader							
Shovel volume, max.	m³	1,7	1,7	1,7	1,7	1,7	1,7
L Lifting height - horizontal shovel	mm	3.500	3.500	3.500	3.500	3.500	3.500
M Clearance height - tipped shovel	mm	2.810	2.810	2.810	2.810	2.810	2.810
N Excavating depth - horizontal shovel	mm	180	180	180	180	180	180
O Reach from machine to tipped shovel	mm	820	820	820	820	820	820
P Reach at ground level	mm	1.590	1.590	1.590	1.590	1.590	1.590
Q Emptying angle - max height	°	43	43	43	43	43	43
R Back-tip angle - ground level	°	45	45	45	45	45	45
S Dumping angle - ground level	°	100	100	100	100	100	100
T Height, shovel pivot	mm	3.750	3.750	3.750	3.750	3.750	3.750
Lifting capacity - max. height excl. appliances	kg	5.000	5.000	5.000	5.000	5.000	5.000
Breakout force - 1.4 m3 shovel (ISO 8313)	kN	85	85	85	85	85	85
Width, standard shovel	mm	2.550	2.550	2.550	2.550	2.550	2.550

Data specified with: Std. tyres / 480/80X26 tyres*

Quality. Innovation. Commitment.

Every day, Hydrema continues the proud traditions which since 1959 have resulted in machine production of the highest quality, combined with modern technology.

Hydrema develops and manufactures hydraulic construction equipment for customers who demand the highest performance and comfort as well as the most reliable and environmentally friendly equipment.

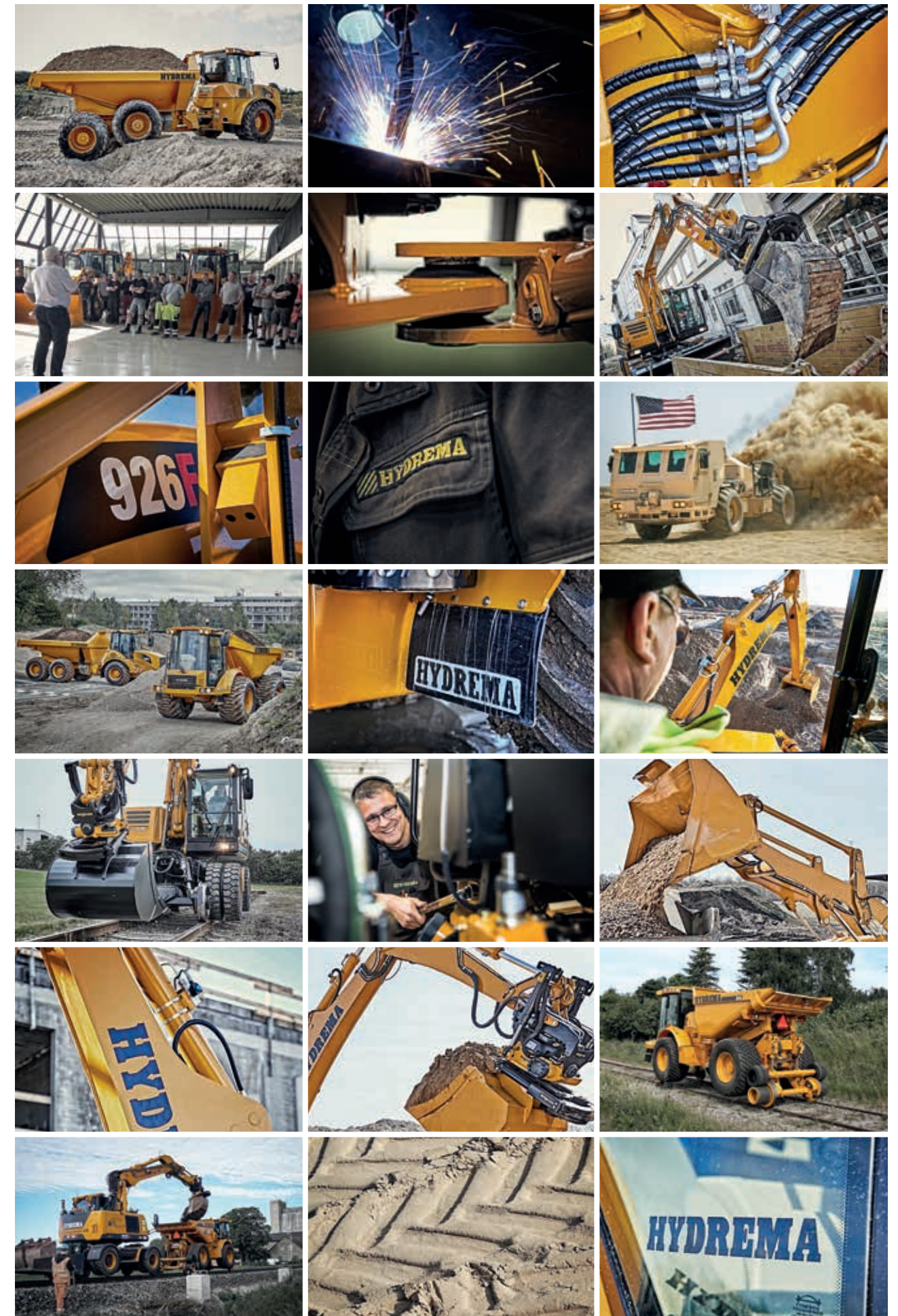
The machines are developed and produced in our own factories in Denmark and Germany.

The commitment, professionalism and dynamism of every single employee make it possible to deliver the best machine each time.

A machine that is ready to work hard every day, all year round, regardless of the weather, wind and terrain.

Hydrema's backhoe loaders, dump trucks, excavators and mine clearers currently operate all around the world for customers who value quality, innovative thinking and dedication.

1959







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