

HYDREMA



906E / 908E 926E / 928E



THE NEW E-SERIES

Hydrema's new **E-series**

The new E-Series combines Hydrema's long tradition for pivot steered loader excavators with cutting edge technology. The well known pivot steered chassis and the well known excavator with 280 degrees slewing angle has of course been maintained.

Completely new are the heavy duty Cummins 4,5L Stage 3b engines with maintenance free catalytic converter, the new and more power full loaders with lager shovels and a brand new electronic controlling system with advanced hydraulic functions.

The 906E and 908E are completely newly developed and heavier machines with more power, better cross country abilities and improved comfort for the operator.

Reliability and easy service has been a must throughout developing the new machines. This is for example seen in the new mud guards with integrated battery compartment and toolbox, and in the central service point for the pivot linkage.

The new large and elegantly formed bonnet opened at the front and gives unlimited access to service and maintenance.

With both hydraulic and fuel tank integrated in the chassis, best possible access for refueling and service is guaranteed.

The new interior with easy to clean surfaces and an unprecedented user friendly design with keypads lends a new dimension to being a Hydrema driver.



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280° swing area

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200° + 2x25° swing area

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280° swing area

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200° + 2x25° swing area



CUMMINS QSB 4,5 STAGE 3B ENGINE:

ELECTRONICALLY
VARIABLE TURBO
CHARGER

EGR VALVE

CLOSED
BREATHING SYSTEM

Cleaning of exhaust
fumes with DOC and
catalytic converter

- 92% *reduCtion*
of soot particles

EGR COOLER

ELECTRONIC
ENGINE CONTROL

TRANSFER
GEAR BOX

COMMON RAIL
INJECTION PUMP



NEW FEATURES:

NEW FEATURES ON ALL MODELS	
Cummins QSB 4.5L Stage 3b engine - brand new modern friendly to the environment engine	
Keypad panels – CAN BUS communication - for easy and intelligent operation	
Electronic flow sharing, adjustable mode control, cruise control, immobilizer with code, driving lights, adjustable dead band on the Joystick, extended service diagnostics - new functions for the professional user	
New interior surface design - easier to clean and longer lifespan	
Rigid stabilizers as standard / flexible as option - better stability	
Electronic shovel indicator - fast and accurate indication of shovel position	
FIncreased speed on double command - faster working cycles	
Two way "Return to dig" (Loader) - even faster operation of the loader	
Quick hitch according to ISO 13031-2 - fulfills newest safety requirements for quick hitches	
Hose burst valve on both boom and dipper - fulfils the newest demands for lifting gear	
Engine bonnet opening to the front for better access to engine and cooler - easier access for service and maintenance	
Front mud guards with integrated battery compartment and tool box - easy access to batteries – spacious storage	
New joysticks with forward / reverse switch in right joystick - easy and fast forward/reverse by loader work	
Easy access via central service point - easy and efficient service	
Extended display diagnostics - easy and efficient service	
Substantially increased battery capacity - excellent engine start under cold conditions	
906E/908E	926E/928E
Brand new heavy duty chassis with double stabilizers, and increased pendulum angle.	New heavy duty loader with 1.7 m ³ shovel
Intercooler	Increased slewing speed on excavator
Separate oil cooler	
New loader with same geometry as 926 and 1.4 m ³ shovel	
New swing arm for side shift with increased ground clearance and increased side shift	
Standard tyres – 500/70R28	

Engine bonnet opens at the front:

- better access



Front mud guards:

Integrated tool boxes



Integrated battery boxes



KEY PAD PANELS:

All traditional switches have been replaced with key pads

- for easier and better operation



MODE CONTROL:

Mode control on the 900E models is adjustable compared to the set values of 33% and 66% as known from the D-series. The driver may set and save two modes in the main display. Either of the two modes can then be activated on the side key panel in the B-post. The new mode control allows the driver always to choose the most suited speed, according to the job at hand. Especially for lifting jobs it is vital for safe operation that the driver can limit the speed of the excavator.



CRUISE CONTROL:

The new cruise control keeps the set speed while underway.

Cruise control on/off is placed in the key panel in the A-post.

Set and resume is found in the arm rest key panel



Electronic double acting shovel indicator:

The new electronic shovel indicator is placed directly in front of the driver and shows with 2 indicator lamps exactly when the loader shovel is parallel.

Combined with the new double acting "return to dig" function, fast and efficient work with the loader is guaranteed.



ELECTRONIC FLOW SHARING:

WITHOUT AUTO TROTTL:

The new flow sharing function ensures that the oil is automatically distributed between the excavator's main functions. This ensures that while working at low engine rpm and low oil flow, the oil is distributed optimally for a smooth and even digging cycle. If the driver during digging at low engine rpm requests more oil than is available, the actually available oil is automatically distributed proportional to joystick movements.

WITH AUTO TROTTL:

If the driver asks for more oil than is available with the present oil flow, the engine rpm are automatically increased to deliver more oil. If the requested oil flow is larger than the maximum flow available at maximum engine rpm, the oil is automatically distributed proportional to joystick movements.

Flow sharing is activated on the side key panel in the B-post.

Auto throttle is activated or deactivated in the display.



SPECIFICATIONS:

	906E/908E	926E/928E
Stage 3b Cummins engine QSB 4.5L:	110 HP @ 2200 rpm 115 HP @ 2000 rpm 103 HP @ 1500 rpm 489 Nm @ 1500 rpm	130 HP @ 2200 rpm 140 HP @ 2000 rpm 131 HP @ 1500 rpm 622 Nm @ 1500 rpm
Transmission:	DANA T12000	ZF WG 115
Axles:	Carraro with limited slip in front axle and 100% hydraulic lock in rear axle	Carraro with limited slip in front axle and 100% hydraulic lock in rear axle
Chassis:	Pivot steer with double stabilizer. 155 l. integrated fuel tank	Pivot steer with double stabilizer. 155 l. integrated fuel tank
Hydraulics:	163 l/min - 235 bar	220 l/min - 240 bar
Loader:	Lifting capacity 4.500 kg Break out force 73 kN Loading shovel 1,4 m ³	Lifting capacity 5.200 kg Break out force 85 kN Loading shovel 1,7 m ³
Excavator:	Break out force: Dipper cylinder 37,6 kN Bucket cylinder 57,4 kN	Break out force: Dipper cylinder 38,4 kN Bucket cylinder 58,7 kN
Cab suspension:	Rubber	4 point suspension
Weight:	9200 kg	9500 kg

SPECIFICATIONS - 906E /908E:

	906E/908E	INCREASE OVER D-SERIES
ENGINE:	110 Hp @ 2200 rpm 115 Hp @ 2000 rpm 103 Hp @ 1500 rpm 489 Nm @ 1500 rpm	8 % 13 % 22 % 16 %
TRANSMISSION:	DANA T12000	
HYDRAULICS:	Single circuit 74cc 163 L/min	
LOADER:	Lifting capacity 4.500 kg Break out force 73 kN	13 % 11 %
LOADING SHOVEL:	1,4m ³	8 %
EXCAVATOR:	Break out force: Dipper. 37,6 kN Bucket. 57,4 kN	4 % 8 %
CAB SUSPENSION:	Rubber	
WEIGHT:	9200 kg	

SPECIFICATIONS - 926E /928E:

	926E/928E	INCREASE OVER D-SERIES
ENGINE:	130 Hp @ 2200 rpm 140 Hp @ 2000 rpm 131 Hp @ 1500 rpm 622 Nm @ 1500 rpm	1 % 9 % 20 % 20 %
TRANSMISSION:	ZF WG 115	
HYDRAULICS:	Single circuit 100cc 220 L/min	
LOADER:	Lifting capacity 5.200 kg Break out force 85 kN	11 % 16 %
LOADING SHOVEL:	1,7 m ³	6 %
EXCAVATOR:	Break out force: Dipper 38,4 kN Bucket 58,7 kN	6 % 6 %
CAB SUSPENSION:	4 point suspension	
WEIGHT:	9500 kg	

Exceptionally low noise level !

- The new Hydrema E-Series has world wide the lowest noise level in the cab for loader / excavators !



Noise level cab for 906E / 908E



Noise level cab for 926E / 928E

TYRE OPTIONS:

	906E/908E	926E/928E
STANDARD:	Alliance (580) - 500/70R28	Alliance (580) - 500/70R28
OPTION:	Alliance (550) - 540/65R28	Alliance (550) - 540/65R30,5
TWIN OPTION:	Trelleborg (T421) - 600/55R26.5	Trelleborg (T428) - 650/55R30.5
EM OPTION:		Alliance /650) 20.5R25



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