

ORIGINAL INSTRUCTIONS

**OPTUM<sup>®</sup> 250 CVX**  
**OPTUM<sup>®</sup> 270 CVX**  
**OPTUM<sup>®</sup> 300 CVX**  
CVXDrive Tractor - STAGE V  
*PIN DBDOP\*\*\*\*KD850001 and above*  
*PIN HACOP\*\*\*\*KD801001 and above*

**OPERATOR'S MANUAL**

**Part number 51607610**

2<sup>nd</sup> edition English

April 2019

Replaces part number 51449974



# Contents

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## 1 GENERAL INFORMATION

Metric and imperial units abbreviations.....	1-1
To the owner.....	1-3
Operator's manual storage.....	1-5
Product identification.....	1-6
Engine identification.....	1-7
Drive line identification.....	1-8
Cab identification.....	1-9
Product identification plate.....	1-10
Programming tractor functions.....	1-11
Before operating the tractor.....	1-12
International symbols.....	1-13
Machine stability.....	1-14
Selective Catalytic Reduction (SCR) system.....	1-18
Selective Catalytic Reduction (SCR) system.....	1-25

## 2 SAFETY INFORMATION

Safety precautions.....	2-1
Safety decals.....	2-3
Safety rules.....	2-12
Burn prevention.....	2-19
Prevention of fire or explosions.....	2-20
Fire extinguisher.....	2-21
Protection offered by the tractor.....	2-22
Hazardous substances.....	2-25
Ecology and the environment.....	2-26
Emergency exit.....	2-27
Wheel chocks.....	2-28
Intended use statement.....	2-29
Instructor's seat.....	2-31

## 3 CONTROLS AND INSTRUMENTS

### ACCESS TO OPERATOR'S PLATFORM

Introduction.....	3-1
Cab air filters.....	3-5
In cab storage (where fitted).....	3-6
Cable and wiring routing.....	3-7
Mobile telephone usage.....	3-8
Implement monitor installation.....	3-9

### OPERATOR'S SEAT

Operator's seat.....	3-10
Air suspension seat deluxe.....	3-11
Air suspension seat with passive or Dynamic Damping System (DDS).....	3-16
Air suspension seat 'evolution active'.....	3-22

---

Seat belt .....	3-29
-----------------	------

## INSTRUCTOR'S SEAT

Instructional seat .....	3-30
--------------------------	------

## FORWARD CONTROLS

Ignition key .....	3-30
Hazard lights switch .....	3-31
Lights and turn indicator lever .....	3-32
Windshield wiper and washer controls .....	3-33
Electronic parking brake .....	3-34
Emergency brake .....	3-37
Anti-lock braking system ABS Operation .....	3-38
Clutch pedal .....	3-45
Foot brakes .....	3-45
Exhaust brake (where fitted) .....	3-49
Steering column .....	3-49

## RIGHT-HAND SIDE CONTROLS

Integrated control panel .....	3-50
Multifunction Handle .....	3-51

## REARWARD CONTROLS

Switches on C-pillar .....	3-52
Battery isolator switch (where fitted) .....	3-53
Heated screens (where fitted) .....	3-54
ISO bus functionality .....	3-55
Hydraulic master switch .....	3-56
Switches on right-hand trim .....	3-57
Advanced steering system field/road switch .....	3-58
Variable Ratio Steering (VRS) .....	3-59
Autoguidance system .....	3-62
Autoguidance - Variable ratio steering .....	3-63
Variable ratio steering and Autoguidance symbols on color display (where fitted) ....	3-64

## OVERHEAD CONTROLS

Switches on roof .....	3-65
Left-hand and right-hand outermost work light switch .....	3-66
Interior light .....	3-67
Automatic Temperature Control (ATC) .....	3-68

## INSTRUMENT CLUSTER

Integrated control unit .....	3-70
Gauges .....	3-70
Indicator and warning lights .....	3-71
Displays .....	3-74
Keypad enhanced .....	3-75
Selecting or changing the display settings .....	3-77

---

Adjust menu .....	3-78
Configure menu .....	3-83
Active and Manual Catalyst Management .....	3-85
Manual Catalyst Management .....	3-87
Performance monitor .....	3-93
Tire Pressure Monitoring System (TPMS) (where fitted) .....	3-99
Armrest color display .....	3-102
Pop-up screens on color display .....	3-105
Performance monitor on color display .....	3-110
Programming the displays .....	3-115
Alarm functions .....	3-118
Accessing stored error codes .....	3-120
Selective Catalytic Reduction (SCR) exhaust treatment - Overview .....	3-121
Warning and advisory symbols .....	3-130
Warning and advisory symbols .....	3-146

## 4 OPERATING INSTRUCTIONS

### COMMISSIONING THE UNIT

Refueling the tractor .....	4-1
-----------------------------	-----

### STARTING THE UNIT

Starting the engine .....	4-3
Grid heater cold start aid (where fitted) .....	4-5
Fuel heater (where fitted) .....	4-5
Coolant immersion heater (where fitted) .....	4-6
Transmission oil heater (where fitted) .....	4-7

### STOPPING THE UNIT

Stopping the engine .....	4-8
Automatic engine shut down .....	4-9

### MOVING THE UNIT

Operating in cold temperatures .....	4-11
Low idle speed management .....	4-14
Variable Pitch Fan (VPF) .....	4-15

## 5 TRANSPORT OPERATIONS

### PREPARING FOR ROAD TRANSPORT

Carrying the tractor on a transporter .....	5-1
Secure the high visibility roof panel .....	5-1

### RECOVERY TRANSPORT

Freeing a stuck tractor .....	5-2
Towing the tractor .....	5-3

---

## 6 WORKING OPERATIONS

### GENERAL INFORMATION

Constant engine speed .....	6-1
Differential lock .....	6-4
Four wheel drive .....	6-6
Front axle suspension (where fitted) .....	6-8
HTS standard .....	6-11
Headland turn sequence - Quick guide .....	6-11
Recording and replaying .....	6-13
Explanation of symbols .....	6-16
Recording a sequence .....	6-18
Replaying a sequence .....	6-20
HTS advanced .....	6-24
Headland turn sequence .....	6-24
Universal symbols .....	6-25
Recording a sequence .....	6-28
Creating a sequence in standstill .....	6-33
Replaying a sequence .....	6-35
Saving a sequence .....	6-39
Edit a sequence .....	6-42
Recalling a sequence .....	6-46
Deleting a sequence .....	6-50
Headland turn sequence error codes .....	6-51
HTS advanced with Automatic End Of Row Turn functionality .....	6-54
Automatic End Of Row Turn functionality .....	6-54
Implement setup .....	6-56
Creating field boundaries and headlands .....	6-57
Recording a sequence .....	6-61
Replaying a sequence .....	6-65

### TRANSMISSION

Transmission operation .....	6-69
Anti jack knife .....	6-70
Stationary control .....	6-71
Engine speed control .....	6-72
Shuttle lever .....	6-75
Transmission controls .....	6-77
Drive pedal .....	6-80
Programming maximum speed .....	6-81
Transmission display .....	6-83
Manual mode .....	6-84
Automatic mode .....	6-85
Speed matching .....	6-86
Pneumatic Trailer Brake Stabilization System .....	6-87
Fault codes .....	6-89

### REAR POWER TAKE-OFF (PTO)

Power Take-Off (PTO) operating precautions .....	6-90
Changing the PTO output shaft .....	6-90

---

Attaching PTO driven equipment .....	6-91
PTO operation .....	6-92
PTO shiftable multi speed .....	6-96
External PTO controls .....	6-99
Auto PTO operation .....	6-101

## FRONT POWER TAKE OFF

PTO operation .....	6-104
Auto PTO operation .....	6-109
External PTO controls .....	6-111

## REAR HITCH

Electronic Draft Control (EDC) .....	6-113
Settings and adjustments .....	6-117
Electronic Draft Control (EDC) operation .....	6-119
External hitch controls .....	6-125

## FRONT HITCH

Settings and adjustments .....	6-127
Front hitch operation .....	6-130
External hitch controls .....	6-133
Front hitch management .....	6-134
Auxiliary front couplers (where fitted) .....	6-140
External controls for front couplers .....	6-142

## ELECTRO-HYDRAULIC REMOTE CONTROL VALVES (where fitted)

Remote control valves .....	6-143
Settings and adjustments .....	6-151
Valve priority .....	6-157
Programming tractor functions .....	6-159
Connecting remote cylinders .....	6-166
Operating with remote valves .....	6-169
Mid mount remote valves .....	6-171
External EHR controls .....	6-173
EHR implement control setting .....	6-174
Transmission rear axle and hydraulic system oil level .....	6-178

## HYDRAULIC POWER BEYOND PORT

Power beyond circuit .....	6-180
ISO Power beyond couplings .....	6-182

## THREE POINT HITCH

Attaching three-point hitch equipment .....	6-183
Lift rod adjustment .....	6-185
Top link adjustment .....	6-188
Quick hitch .....	6-190
Automatic stabilizers (where fitted) .....	6-192

---

Hydraulic stabilizers (where fitted) .....	6-194
--	-------

## **DRAWBARS AND TOWING ATTACHMENTS**

Drawbars and towing attachments .....	6-196
Swinging drawbar .....	6-200
Automatic pickup hitch .....	6-202
Rear trailer hitches .....	6-207

## **TRAILER BRAKING SYSTEMS**

Trailer brake release switch .....	6-214
Air-operated trailer brakes (Universal type) .....	6-215
Air-operated trailer brakes (UK type) .....	6-218
Air-operated trailer brakes (Italian type) .....	6-219
Auxiliary air supply connector (where fitted) .....	6-220
Hydraulic trailer brakes (Universal type - Dual line) .....	6-221
Hydraulic trailer brakes (Universal type - Single line) .....	6-224
Hydraulic trailer brakes (Italian type) .....	6-225

## **WHEEL TRACK ADJUSTMENT**

Tire combinations .....	6-226
Front wheel track adjustment .....	6-228
Front wheel alignment .....	6-231
Steering stops .....	6-232
Front axle oscillation stops .....	6-233
Front wheel fenders .....	6-234
Rear wheel track adjustment .....	6-236
Flange type axle (where fitted) .....	6-236
Bar type axle (where fitted) .....	6-238
Dual rear wheels (where fitted) .....	6-241

## **BALLASTING AND TIRES**

Ballasting and tires .....	6-243
Iron weights (where fitted) .....	6-246
Liquid ballast .....	6-249
Tire inflation .....	6-251
Tire pressures and permissible loads .....	6-252

## **AUXILIARY POWER CONNECTIONS**

Diagnostic socket .....	6-254
Trailer electrical socket .....	6-255
Electrical power connectors .....	6-256
Internal power connectors .....	6-256
External power connectors .....	6-258
ISO bus classes .....	6-260
ISO bus functionality .....	6-262
Reconfigurable inputs for ISO Bus function .....	6-270

---

## 7 MAINTENANCE

### GENERAL INFORMATION

Introduction .....	7-1
Fuel requirement - Diesel fuel .....	7-2
Fuel - Storage, handling and transport .....	7-2
Biodiesel fuel .....	7-3
Engine oils .....	7-5
Protective devices .....	7-6
Tractor jacking points .....	7-8
General specifications .....	7-9
Capacities .....	7-10
Organic Acid Technology (OAT) coolant .....	7-11

### MAINTENANCE CHART

Maintenance chart .....	7-12
-------------------------	------

### WHEN THE WARNING LAMP LIGHTS

Change the engine air cleaner outer element .....	7-14
Drain the fuel system water separator .....	7-15
Check the brake fluid level .....	7-16

### EVERY 10 HOURS OR EACH DAY

Check the engine coolant level .....	7-17
Check the engine oil level .....	7-18
Check the remote control valve drain bottles .....	7-18
Check windscreen washer reservoir .....	7-19
Drain air reservoir on air operated trailer brake .....	7-19

### FIRST 50 HOURS

Service operations .....	7-20
--------------------------	------

### EVERY 50 HOURS

Clean the cab air filter .....	7-21
Clean the SCR cover air ducts .....	7-23
Clean the cooler section .....	7-24
Grease all fittings .....	7-25
Check the front and the rear wheel nuts .....	7-31
Check the tire pressures and the tire condition .....	7-31

### EVERY 150 HOURS

Inspect the compressor drive belt .....	7-32
---	------

### EVERY 375 HOURS

Inspect the poly V-belt .....	7-33
Check the battery fluid level .....	7-33
Check the transmission oil level, the rear axle oil level and the hydraulic oil level ....	7-35

---



## EVERY 750 HOURS

Change engine oil and filter .....	7-36
Change the first stage fuel filter and the fuel filter element.....	7-38
Change the hydraulic charge pump oil filter and the van pump oil filter.....	7-40
Check the engine air intake connections .....	7-41
Check the transmission oil cooler pipe couplings .....	7-42
Check the 4WD front axle differential oil level and the hubs oil level.....	7-43

## EVERY 750 HOURS OR EVERY YEAR

Change the engine air cleaner outer element .....	7-44
---	------

## EVERY 750 HOURS OR EVERY 2 YEARS

Change the 4WD planetary hub oil .....	7-44
--	------

## EVERY YEAR

Check the accumulators (where fitted) .....	7-45
---	------

## EVERY 1500 HOURS OR EVERY YEAR

Change the cab air filters .....	7-45
----------------------------------	------

## EVERY 1500 HOURS OR EVERY 2 YEARS

Change the engine air cleaner inner element .....	7-47
Change the air brake drier reservoir.....	7-48
Change the transmission oil, the rear axle oil and the hydraulic oil .....	7-49
Clean the lubrication pump filter .....	7-50
Change the engine breather filter .....	7-51
Change the Diesel Exhaust Fluid (DEF)/AdBlue® suction filter .....	7-52
Change the hydraulic suction pump oil filter .....	7-53
Change the 4WD differential oil .....	7-54

## EVERY 2 YEARS

Change the air conditioning receiver drier.....	7-55
---	------

## EVERY 1500 HOURS OR EVERY 4 YEARS

Change the poly V-belts .....	7-56
-------------------------------	------

## EVERY 2250 HOURS

Check the engine tappet valve clearance .....	7-58
---	------

## EVERY 3750 HOURS OR EVERY 3 YEARS

Change the DEF/AdBlue® main filter .....	7-58
--	------

## EVERY 3750 HOURS OR EVERY 4 YEARS

Change the engine coolant fluid .....	7-59
---------------------------------------	------

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## GENERAL MAINTENANCE

Cleaning the tractor .....	7-62
Check first stage fuel filter and water trap .....	7-65
Bleeding the fuel system .....	7-65
Hydraulic system hoses .....	7-66
Electrical socket maintenance .....	7-67
Check the brake pedal latching/unlatching .....	7-68
Adjust the cab suspension (where fitted) .....	7-69
Adjust the automatic pickup hitch .....	7-70
Headlight adjustment .....	7-71
Work light adjustment .....	7-71
Bulb replacement .....	7-72
Fuses and relays .....	7-74
Protecting the electronic and electrical systems during battery charging or welding ..	7-85
Battery removal and installation .....	7-86

## STORAGE

Tractor storage .....	7-88
Removing the machine from storage .....	7-88

## 8 TROUBLESHOOTING

### FAULT CODE RESOLUTION

Introduction .....	8-1
--------------------	-----

### ALARM(S)

Fault codes and symbols .....	8-2
-------------------------------	-----

### SYMPTOM(S)

Engine .....	8-4
Transmission .....	8-5
Hydraulics .....	8-5
Three-point hitch .....	8-6
Brakes .....	8-6
Cab .....	8-6
Electrical system .....	8-7

## 9 SPECIFICATIONS

General dimensions .....	9-1
Minimum turn radius .....	9-3
Axle dimension .....	9-4
Maximum operating angle .....	9-6
Maximum permissible operating weights .....	9-7
Tractor weights .....	9-7
Capacities .....	9-8
Engine .....	9-9
Fuel system .....	9-9

---

Air cleaner system .....	9-10
Cooling system .....	9-10
Transmission .....	9-10
Rear Power Take-Off (PTO) .....	9-11
Front Power Take-Off (PTO) .....	9-11
Hydraulic system .....	9-12
Rear three-point hitch .....	9-12
Front three-point hitch .....	9-13
Remote control valves .....	9-14
Front remote control valve .....	9-14
Brakes .....	9-15
Steering .....	9-15
Electrical equipment .....	9-16
Minimum hardware tightening torques .....	9-17

## 10 ACCESSORIES

Radio (where fitted) .....	10-1
External rear view mirrors .....	10-1
Border marker plates .....	10-3
Auxiliary head lights and signature lights .....	10-4
Rotating beacon .....	10-4
Auxiliary pneumatic coupler .....	10-5

## 11 FORMS AND DECLARATIONS

Service record 1st 50 hour, Owner copy .....	11-1
Service record 1st 50 hour, Dealer copy .....	11-3
Telematics module declaration of conformity .....	11-4

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# 1 - GENERAL INFORMATION

## Metric and imperial units abbreviations

Typical applications	Metric unit		Imperial unit	
	Name	Symbol	Name	Symbol
Area (Land area)				
	hectare	ha	acre	ac
	square meter	m <sup>2</sup>	square foot	ft <sup>2</sup>
	square millimeter	mm <sup>2</sup>	square inch	in <sup>2</sup>
			square inch	in <sup>2</sup>
Electricity				
	ampere	A	ampere	A
	volt	V	volt	V
	microfarad	μF	microfarad	μF
	ohm	Ω	ohm	Ω
Force				
	kilonewton	kN	pound	lb
	newton	N	pound	lb
Force per length				
	newton per meter	N/m	pound per foot	lb/ft
			pound per inch	lb/in
Frequency				
	megahertz	MHz	megahertz	MHz
	kilohertz	kHz	kilohertz	kHz
	hertz	Hz	hertz	Hz
Frequency - Rotational				
	revolution per minute	r/min	revolution per minute	r/min <sup>a</sup>
		rpm		rpm
Length				
	kilometer	km	mile	mi
	meter	m	foot	ft
	centimeter	cm	inch	in
	millimeter	mm	inch	in
	micrometer	μm		
Mass				
	kilogram	kg	pound	lb
	gram	g	ounce	oz
	milligram	mg		
Mass per mass				
	milligram per kilogram	mg/ kg	parts per million	ppm
Power				
	kilowatt	kW	horsepower	Hp
	watt	W	Btu per hour	Btu/hr
			Btu per minute	Btu/min
Pressure or stress (Force per area)				
	kilopascal	kPa	pound per square inch	psi
			inch of mercury	inHg
	pascal	Pa	inch of water	inH <sub>2</sub> O
	megapascal	MPa	pound per square inch	psi
	millibar	mbar		
	bar	bar		

1 - GENERAL INFORMATION

Typical applications	Metric unit		Imperial unit	
	Name	Symbol	Name	Symbol
Temperature (other than thermodynamic)				
	degrees Celsius	°C	degrees Fahrenheit	°F
Time				
	hour	h	hour	h
	minute	min	minute	min
	second	s	second	s
Torque (includes bending moment, moment of force, and moment of a couple)				
	newton meter	N m	pound foot	lb ft
			pound foot	lb in
Velocity				
	kilometer per hour	km/h	mile per hour	mph
	meter per second	m/s	foot per second	ft/s
	millimeter per second	mm/s	inch per second	in/s
	meter per minute	m/min	foot per minute	ft/min
Volume (includes capacity)				
	cubic meter	m <sup>3</sup>	cubic yard	yd <sup>3</sup>
				cu yd
	liter	l	cubic inch	in <sup>3</sup>
	liter	l	US gallon	US gal
			UK gallon	UK gal
			US quart	US qt
			UK quart	UK qt
	milliliter	ml	fluid ounce	fl oz
Volume per time (includes discharge and flow rate)				
	cubic meter per minute	m <sup>3</sup> /min	cubic foot per minute	ft <sup>3</sup> /min
	liter per minute	l/min	US gallon per minute	US gal/min
	milliliter per minute	ml/min	UK gallon per minute	UK gal/min
Sound power level and sound pressure level				
	decibel	dB	decibel	dB
Water hardness				
	German hardness	°dH	English hardness	°e
	French hardness	°fH	parts per million	ppm

**Glossary**

Acronym	Definition
DEF	Diesel Exhaust Fluid
ISO	International Organization for Standardization
MSDS	Material Safety Data Sheet
NOx	Nitrogen Oxide
PPE	Personal Protective Equipment
SCR	Selective Catalytic Reduction
ULSD	Ultra Low Sulfur Diesel
%	Percent
<	Less than
>	Greater than

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