

John Deere CH960 Sugar Cane Harvester

KEY SPECS

Engine Make	John Deere
Standard power @ 2100 rpm	360 kW485 hp490 CV
Cooling system type	Automatically controlled, hydraulically driven reversing cooling fan
Fuel capacity	1135 L300 gal.
Standard chain and shoes	Sealed chainShoes: 560 mm22 in.
Maximum whole topper reach	4.2 m13.75 ft
Crop dividers: Float control	Automatic float control
Basecutter: Standard disc diameter	58.4 cm23 in.
Chopper: Standard blade configuration	Ten blade (five per drum), differential
Fan diameter	1.5 m5 ft

ENGINE

Make	John Deere
Model	6136NW301
Family	
Emission certification	Tier 3/Stage III A
Standard power @ 2100 rpm	
Standard power @ 2000 rpm	
Standard power @ 1900 rpm	360 kW485 hp490 CV
Standard power @ 1700 rpm	400 kW540 hp544 CV
Optional engine model	6136NW401
Optional engine emission certification	Final Tier 4/Stage IV

Optional power @ 2100 rpm	420 kW567 hp572 CV
Optional power @ 2000 rpm	440 kW595 hp600 CV
Cylinders	Inline six, wet sleeves
Displacement	13.6 L830 cu in.
Injection pump	Electronically controlled
Aspiration	Turbocharger with air-to-air aftercooling
Engine speeds	Low idle800 rpmFull throttle1900 rpm
Alternator	200 amp12 V
COOLING SYSTEM	
Type	Automatically controlled, hydraulically driven reversing cooling fan
TRANSMISSION	
Type	Two hydrostatic pumps providing variable speed
Track machine travel speed	0 to 9.0 km/h0 to 5.6 mph
BRAKES	
Parking	Multiple wet disk, spring applied hydraulic released
CAPACITIES	
Fuel	1135 L300 gal.
Diesel Exhaust Fluid (DEF) (Tier 4 Engine only)	78.2 L20.7 gal.
Hydraulic oil	309 L81.6 gal.
TRACKS	
Sprocket	Five-segment, bolt-on sprocket
Track guides	Welded guides with bolted wear plates
Rollers	Eight bottom rollers and two carrier rollers

Standard straight track shoe width

Standard track chain

Track tread width	Standard: 3.6 m11.8 ft
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Standard chain and shoes	Chain and shoes, option 1Sealed and chain with 560-mm (22-in.) bent shoes for 3-m (9.83-ft) tread option onlySealed and lubricated chain with 5604-mm (22-in.) bent shoes
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Optional bent track shoe widths

Optional track chain

CAB AND CONTROLS

Air conditioning	Pressurized cab with air conditioning and heating
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Front-tipping cab

Seat	Air suspension with swivel
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Radio	Standard premium with Bluetooth® wireless
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Emergency shut-off switch

Pressurized cab

GPS guidance	AutoTrac ready standard
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Connectivity	JDLink™ ready
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Speedometer

Data management

LIGHTS

Standard

Optional

Cab	Four halogen head lights and four working light-emitting diode (LED) lights
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Auxillary for loading	Four LED lights
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Service	Two LED lights on topper boom and two halogen lights on engine/cooling package compartment
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TOPPER

Drive	Hydraulic, reversible
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Shock absorption	Nitrogen accumulator
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Maximum whole topper reach	4.2 m13.75 ft
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Severing disc	Eight bolt-on blades
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Whole topper	
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Shredder topper	
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Extended width whole topper	
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CROP DIVIDERS

Type	
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Crop divider assemblies	Two side assemblies and one center assembly
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Center crop divider assembly scrolls	Includes two inside scrolls
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Side crop divider assemblies scrolls	Includes one inside and one outside scroll each
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Scrolls	
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Drive	Hydraulic, reversible
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Inside scrolls approach angle	46 degree (angle)
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Factory hard surfacing	Skirts, slip-on shoes, toes
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Float control	Automatic float control
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Tilt control	Hydraulic
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CROP DIVIDER KNIVES

Side knives	Two
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Center knife	One
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Drive	Hydraulic, reversible
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Height control	Hydraulic
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Blades	Three bolt-on blades per disk
KNOCKDOWN ROLLERS	
Knockdown roller assemblies	Two assemblies consisting of one front and one lower roller each
Drive	Hydraulic, reversible
Manual height adjustment	
Hydraulic height adjustment	Synchronized front and lower roller travel
BASECUTTER	
Basecutters	Center to center distance180 cm70.9 in.Two independent
Drive	Hydraulic, reversible
Height control	Automatic contour basecutter height control
Discs per box	Two
Legs	Vertical with bolt-on wear plates
Gearbox housing	Cast
Standard drive	
Optional drive	
Standard disc diameter	58.4 cm23 in.
Optional disc diameter	
Discs center distance	63 cm24.8 in.
Number of blades per disc	Five
BUTTLIFTER	
Buttlifters	Two
Drive	Hydraulic, reversible
Type	Four-bar open
FEEDROLLERS	

Drive	Hydraulic, reversible drive
Number of rollers	
Feed train assemblies	Two front split feed trains and one rear common feed train
Feedroller train	Each feed train has upper floating rollers and lower feedrollers
Front split feed trains number of rollers	Each feed train has four upper rollers and four lower rollers including the buttlifter
Rear feed train number of rollers	Three upper rollers and four lower rollers including the transition roller
Bearing location	External
CHOPPER	
Drive	Hydraulic, reversible
Drum center distance	38.1 cm15 in.
Bearing location	External
Blade width	9.5 cm3.74 in.
Blade configuration	Standard10 blade (five per drum), overlapOption 1Eight blade (four per drum), overlap
Sill roller	Standard
PRIMARY EXTRACTOR	
Fan drive	Hydrostatic, variable speed
Fan diameter	1.5 m5 ft
Fan number of blades	Four
Maximum fan speed	930 rpm
Hood rotation	Hydraulically controlled
Wear ring	Highly abrasive-resistant steel
ELEVATOR	
Chain adjustment	Grease cylinder

Sprocket drive	Hydraulic motor driven, reversible
Width	112 cm44.1 in.
Elevator swing	Hydraulically controlled, trunnion cylinders
Total swing angle	170 degree (angle)
Shock absorption	Nitrogen accumulator
Slat height	
Optional elevator extensions	
SECONDARY EXTRACTOR	
Fan drive	Hydraulic
Fan number of blades	Three
Fan diameter	1.22 m4 ft
Hood rotation, degrees	
Bin flap position	Hydraulically controlled
WEIGHT	
Machine weight	35,545 kg78,363.2 lbWeight may vary with options
ADDITIONAL INFORMATION	
Date collected	17 January 2020