

# PRODUCT SPECIFICATIONS FOR 428

Power - Net	52 kW
Stroke	120 mm
Net Power Rating at 2,200 rpm - SAE J1349	52 kW/70 hp
Bore	98 mm
Note (1)	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
Displacement	3.6 l
Net Power Rating at 2,200 rpm - ISO 9249	51 kW/70 hp
Engine	C3.6 55 kW Electronic Turbo Intercooled
Ratings at 2,200 rpm - Gross Power SAE J1995	56 kW/76 hp
Ratings at 2,200 rpm - Gross Power ISO 14396	55 kW/75 hp
Emissions	Meets EU Stage V emission standards.
Net Torque - SAE J1349	418 N·m
Torque Rise (net)	86% @ 1,200 rpm
Note (2)	No derating required up to 3048 m altitude. Auto derate protects hydraulic and transmission systems.

<b>Net Power Rating at 2,200 rpm - ISO 9249</b>	63 kW/86 hp
<b>Stroke</b>	120 mm
<b>Note (1)</b>	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
<b>Emissions</b>	Meets EU Stage V emission standards.
<b>Torque Rise (net)</b>	43% @ 1,500 rpm
<b>Displacement</b>	3.6 l
<b>Ratings at 2,200 rpm - Gross Power SAE J1995</b>	71 kW/97 hp
<b>Net Torque - SAE J1349</b>	395 N·m
<b>Engine</b>	C3.6 70 kW Electronic Turbo Intercooled
<b>Note (2)</b>	No derating required up to 3048 m altitude. Auto derate protects hydraulic and transmission systems.
<b>Ratings at 2,200 rpm - Gross Power ISO 14396</b>	70 kW/95 hp
<b>Bore</b>	98 mm
<b>Net Power Rating at 2,200 rpm - SAE J1349</b>	64 kW/86 hp
<b>Net Torque - SAE J1349</b>	436 N·m
<b>Torque Rise (net)</b>	41% @ 1,500 rpm
<b>Ratings at 2,200 rpm - Gross</b>	76 kW/103 hp

<b>Ratings at 2,200 rpm - Gross Power SAE J1995</b>	70 kW/95 hp
---	-------------

<b>Engine</b>	C3.6 74.5 kW Electronic Turbo Intercooled
---------------	---

<b>Net Power Rating at 2,200 rpm - SAE J1349</b>	68 kW/92 hp
--	-------------

<b>Net Power Rating at 2,200 rpm - ISO 9249</b>	68 kW/92 hp
---	-------------

<b>Emissions</b>	Meets EU Stage V emission standards.
------------------	--------------------------------------

<b>Displacement</b>	3.6 l
---------------------	-------

<b>Note (2)</b>	No derating required up to 3048 m altitude. Auto derate protects hydraulic and transmission systems.
-----------------	--

<b>Note (1)</b>	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
-----------------	--

<b>Bore</b>	98 mm
-------------	-------

<b>Stroke</b>	120 mm
---------------	--------

<b>Ratings at 2,200 rpm - Gross Power ISO 14396</b>	74 kW/101 hp
---	--------------

<b>Reverse - 4th</b>	37 km/h
----------------------	---------

<b>Reverse - 2nd</b>	9.2 km/h
----------------------	----------

<b>Reverse - 1st</b>	5.6 km/h
----------------------	----------

<b>Forward - 4th</b>	37 km/h
----------------------	---------

<b>Forward - 2nd</b>	9.2 km/h
----------------------	----------

Forward - 3rd	21 km/h
Reverse - 3rd	21 km/h
Forward - 1st	5.6 km/h
Reverse - 3rd	27 km/h
Reverse - 1st	5.9 km/h
Forward - 4th	40 km/h
Forward - 2nd	9.5 km/h
Forward - 3rd	20 km/h
Reverse - 2nd	12.4 km/h
Forward - 1st	5.9 km/h
Reverse - 3rd	27 km/h
Reverse - 1st	5.9 km/h
Forward - 3rd	12 km/h
Forward - 6th	40 km/h
Forward - 1st	5.9 km/h
Reverse - 2nd	12 km/h
Forward - 5th	27 km/h
Forward - 4th	20 km/h

<b>Forward - 2nd</b>		9.5 km/h
<b>Rear Axle - Static</b>		26500 kg
<b>Front Axle (AWD) - Static</b>		23500 kg
<b>Front Axle (AWD) - Dynamic</b>		9000 kg
<b>Rear Axle - Dynamic</b>		10000 kg
<b>Operating Weight - Nominal</b>	8131 kg	
<b>Operating Weight - Maximum</b>	11000 kg	
<b>Extendible Stick - Excludes Front Counterweight</b>	208 kg	
<b>Counterweights - Maximum</b>	460 kg	
<b>Air Conditioning</b>	45 kg	
<b>Counterweights - Base</b>	115 kg	
<b>Ride Control</b>	15 kg	
<b>Loader, IT with Quick Coupler</b>	185 kg	
<b>Operating Weight - ROPS Capacity - Maximum</b>	11000 kg	
<b>Auto-Shift Transmission</b>	96 kg	
<b>Counterweights - Stackable, One</b>	240 kg	

<b>MP Bucket (1.03 m<sup>3</sup>/1.3 yd<sup>3</sup>) - with Fold-over Forks</b>	860 kg
<b>Cab - ROPS/FOPS</b>	Standard
<b>Total Gross Weight Not to Exceed</b>	11000 kg
<b>Operating Weight (estimated) (55 kW/74 hp)</b>	8131 kg
<b>MP Bucket (1.03 m<sup>3</sup>/1.3 yd<sup>3</sup>) - without Fold-over Forks</b>	674 kg
<b>Note</b>	Machine Configuration – standard HRC engine; standard stick hoe; standard cab with A/C; AWD standard shift transmission; 1.03 m3 MP loader bucket; 600 mm standard duty hoe bucket; 340/80-18 and 440/80-28 tires; no counterweight; 80 kg operator; full fuel tank.
<b>Minimum Counterweight Recommendations - Extendible Stick - Loader Bucket - AWD - GP</b>	460 kg
<b>Minimum Counterweight Recommendations - Extendible Stick - Loader Bucket - AWD - MP</b>	0 kg
<b>Minimum Counterweight Recommendations - Standard Stick - Loader Bucket - AWD - MP</b>	0 kg
<b>Minimum Counterweight Recommendations - Standard Stick - Loader Bucket - AWD - GP</b>	115 kg
<b>Operating Weight (estimated) (70 kW/94 hp)</b>	8206 kg

<b>Rear Axle</b>	16 l
<b>Rear Axle - Planetaries</b>	1.7 l
<b>Hydraulic Tank</b>	42 l
<b>Front Axle (AWD)</b>	11 l
<b>Engine Oil - With Filter</b>	9 l
<b>Transmission - Power Shuttle - AWD</b>	18 l
<b>Hydraulic System</b>	95 l
<b>Fuel Tank</b>	160 l
<b>Cooling System - A/C</b>	18 l
<b>Diesel Exhaust Fluid</b>	19 l
<b>Front Axle (AWD) - Planetaries</b>	0.7 l
<b>Transmission (Powershift) - AWD</b>	19 l
<b>System Pressure - Loader</b>	250 bar
<b>System Pressure - Backhoe</b>	250 bar
<b>Pump Capacity @ 2,200 rpm</b>	160 l/min
<b>Type</b>	Closed Center
<b>Pump Type</b>	Variable-Flow, Axial Piston

<b>AWD Cylinder, One (1) Double Acting - Stroke</b>		106 mm
<b>AWD Cylinder, One (1) Double Acting - Bore</b>		65 mm
<b>AWD Cylinder, One (1) Double Acting - Rod Diameter</b>		40 mm
<b>Turning Circle - AWD (inner wheel not braked) - Outside, Front Wheels</b>		8.205 m
<b>Turning Circle - AWD (inner wheel not braked) - Outside, Widest Loading Bucket</b>		10.745 m
<b>Type</b>		Front Wheel
<b>Power Steering</b>		Hydrostatic
<b>Note</b>	Travel speeds of backhoe loader at full throttle, when equipped with 440/80-28 rear tires.	



## **428 STANDARD EQUIPMENT**

### **CAB ROPS AND FOPS**

Cab, Standard

### **TIRES/STEERING/BRAKES**

All Wheel Drive

100% Differential Lock

Hydraulic Boosted Brakes

Tires 26 inch

### **ENGINE/TRANSMISSION**

Engine, C3.6 55 kW

Battery, 750 CCA, Standard

Hinged Radiator Pack

Standard Mode

Standard + Mode

Transmission Neutralizer

Transmission, Four Speed Manual

### **CONTROLS**

Controls, Mechanical Levers

Power Steering, Hydrostatic

### **HYDRAULICS**

Variable Displacement Piston Pump

Side Shift Lock

Hydraulic Oil Cooler

Loader Kickout, Float

Loader Kickout, Return to Dig

### **BOOMS, STICKS AND LINKAGES**

Stick Standard, 4.3 m

Transport Lock, Swing

Transport Lock, Boom

## **OTHER ATTACHMENTS**

External Tool Box

Transport Tie Downs

## **ELECTRICAL**

Display Screen, Soft Key

Product Link Cellular

Reversing Alarm

Stabilizer Alarm

## **428 OPTIONAL EQUIPMENT**

### **CAB ROPS AND FOPS**

Cab, Deluxe

### **TIRES/STEERING/BRAKES**

Tires 28 inch

### **ENGINE/TRANSMISSION**

Engine, C3.6 70 kW

Engine, C3.6 74.5 kW

Battery, 750 CCA, Heavy Duty

Auto Idle

Eco Mode

Engine Block Heater

Transmission, Four Speed Powershift

Transmission, Six Speed Automatic with Lock Up Torque Converter

Transmission, Six Speed Automatic

### **CONTROLS**

Controls, Pilot Joysticks

Pattern Selector (ISO/SAE)

### **HYDRAULICS**

Hydraulic Quick Disconnects

Hydraulic Lines, One Way

Hydraulic Lines, Two Way

Powered Side Shift

Ride Control

Continuous Flow

Programmable Auxiliary Flow

### **BOOMS, STICKS AND LINKAGES**

Stick Extending, 4.3 m

Hoe Quick Coupler, Mechanical

Hoe Quick Coupler, Hydraulic

Loader Quick Coupler, Hydraulic

### **OTHER ATTACHMENTS**

Counterweight, 115 kg

Counterweight, 240 kg

Counterweight, 460 kg

Front Fenders

Street Pads, Stabilizers

## **ELECTRICAL**

Display Screen, Touchscreen

Product Link Satellite

Beacon, Rotating

Beacon, Strobe

