# 20 SERIES Tractors

## 3520R, 3520H, 3520CX, 4020R, 4520R, 4520C, 4720H, 4720CH, 5220CH, 5220H, 5220R & 5220C

Branson TRACTORS

# 20 SERIES STANDARD FEATURES AND OPTIONS

BRANSON 3520H

## Welcome to Branson Tractors and the 20 Series

**Branson** designed their 20 SERIES tractors with rugged, dependability in mind. The company is owned by Kukje Manufacturing of South Korea, a leader in the field of agricultural equipment with over 50 years experience in design, development and manufacture of tractors and other heavy duty agricultural equipment.

The tractors are shipped to the United States and assembled in Rome, Georgia (US Headquarters), Texas and Oregon for distribution by dealers throughout the United States and Canada.

Branson Tractors
Rome, Georgia
US Headquarters

BRANSON 3520R

1. Wider Flat Operators Platform
2. Heavier / Stronger Main Frame
3. Tilt Steering Wheel
4. Flip-up Adjustable Seat
5. Hydrostatic Steering
6. Dual Hydraulic Pumps
7. Metal Hood, Fenders / Powder Coat Finish
8. Wet Disc Brakes
9. Category 1, Rear 3-Point Hitch

BRANSON 4520R WITH FRONT END LOADER AND BACKHOE

## BRANSON 20 SERIES

**MODELS | HORSEPOWER**

| | |
|---|---|
| 3520R | 35 HP |
| 3520H | 35 HP |
| 3520CX | 35 HP |
| 4020R | 40 HP |
| 4520R | 47 HP |
| 4520C | 47 HP |
| 4720H | 47 HP |
| 4720CH | 47 HP |
| 5220R | 55 HP |
| 5220H | 55 HP |
| 5220CH | 55 HP |
| 5220C | 55 HP |

## 20 SERIES Features:

**FRONT AXLE** - Tight turn front axle, with a lock out angle of 62 degrees with a 10 degree camber. Most tractors of this size will only lock out at 56 degrees without any camber change, making the Branson 20R units one of the tightest turning tractors in the industry.

**HYDROSTATIC STEERING** - Allows more control if obstacles are hit with the tire, no mechanical parts to wear out. All large horse power tractors use hydrostatic steering, only the lower price tractors from China, Japan and India use mechanical power steering.

**DUAL HYDRAULIC PUMPS** - Much smoother operation of the front end loader and the hydrostatic steering-each has its own dedicated pumps. Most of economy tractor models use just one pump, which is cheaper to produce.

**FULLY SYNCHRONIZED TRANSMISSION AND SHUTTLE** - This transmission is much more expensive to produce but most importantly it allows the operator to shift on the go without bringing the tractor to a complete stop to change gears.

**CAST IRON REAR END AND TRANSMISSION HOUSINGS** - It does NO good to have horsepower and not be able to transmit the power to the rear wheels. Cast iron is the best and strongest material however it is more expensive to produce. The wonderful thing about Branson is that you get cast iron on all Branson Tractor models.



1. Deluxe Operator's Seat
2. Forward/Reverse Synchronized Shuttle
3. 3-Speed Range Shift
4. Beverage Holders
5. Hydrostatic Steering
6. 3-Point Hitch Drop Rate Control
7. Grab Bars for easy on and off
8. Fender Mounted Loader Control

# 20 SERIES Features:

**METAL HOOD, FENDERS WITH POWDER COAT PAINT FINISH** - One piece metal hood raised by dual gas struts secured with a positive lock latch with cup holders mounted on fender. Powder coat finish prevents UV damage to the paint bringing longevity to our paint. Unlike fiberglass or plastic fenders and hoods, we use STEEL which will not crack in cold climates.

**WET DISC BRAKES** - All of the top manufacturers use wet disc brakes; only the economy models use a dry disc or drum brake. The advantage of a wet disc brake is very simple, it is in a protected environment and the brake discs are running in hydraulic fluid.

**INDEPENDENT PTO** - The most expensive and most sought after PTO function is independent. All of the larger horse power utility tractors use independent PTO. Independent PTO gives the operator much more control over his PTO function, plus it reduces the chance of the operator burning out his clutch because he no longer needs to engage the clutch pedal to control his PTO function. However, we went the extra mile and for those customers who want to stop the PTO with the clutch, they can do so by switching to the link position on the tractor's PTO function switch.

**DELUXE SEAT** - Branson has the best seat in the Industry. The seat is fully adjustable from every angle. This comfortable seat has six positions for the operator's convenience.

# FIVE MODELS IN OUR COMPACT CAB TRACTOR

## Models available from 35 to 55 HP

BRANSON 3520CX

BRANSON 5220C

BRANSON 4720 CH

BRANSON 4520C

## 20 CAB SERIES Features:

**DELUXE INTERIOR** - Step up to Branson's newly designed interior that operators will find roomy and comfortable. The wide seat is adjustable. The gear shift and hydraulic operations are easy to understand and operate.

**HVAC SYSTEM** - Complete climate control makes your time inside the enclosed cab comfortable. The overhead controls are easy to operate.

**RADIO / CD** - Actually enjoy your time at work with the great sounds from the AM/FM Radio and CD player.

**FLOOR TO CEILING GLASS CAB** - The glass panels on every side of the enclosed cab allow the driver to have an unobstructed, 360° view. The glass door panels extend all the way to the floor of the cab allowing the driver to see the ground to either side of the tractor.

BRANSON 5220 CH

## Hydrostatic Transmission on a CAB Tractor: 4720CH

### Also available on 5220CH

### 4020 R:

Length: 130”
Width: 64”~ 72”
ROPS Height: 97.9”
Ground Clearance: 12.7”
Weight: 4063 lbs.

### 4520 C:

Length: 130”
Width: 64”~ 72”
Cab Top Height: 93”
Ground Clearance: 12.7”
Weight: 4442 lbs.

### SIX YEAR LIMITED WARRANTY

Branson Tractors offers a warranty period of two years bumper to bumper with a 6 year engine and drive train warranty up to 2,000 hours, parts and labor are covered under this warranty as well. See our dealer for complete warranty information.

POWERTRAIN 6 YEAR WARRANTY

**www.bransontractor.com**

# 20 SERIES ROPS TRACTORS

BRANSON 5220R

BRANSON 3520H

BRANSON 4720H

BRANSON 4520R

BRANSON 3520H

# Design Your Own Tractor with Branson Attachments

## SPECIFICATIONS: 20 SERIES FRONT END LOADER

| FRONT END LOADER | UNITS | BL25R | BL200 |
|---|---|---|---|
| Maximum Lift Height | in. | 103.8 | 104 |
| Clearance with Attachment Level | in. | 97.3 | 95 |
| Clearance with Attachment Dumped | in. | 79.0 | 78.2 |
| Reach at Maximum Height | in. | 26.0 | 20.4 |
| Maximum Dump Angle | degrees | 44 | 46 |
| Reach with Attachment on Ground | in. | 67.3 | 67 |
| Attachment Rollback Angle | degrees | 24.5 | 35 |
| Digging Depth Below Grade | in. | 1.9 | 1.8 |
| Overall Height in Carry Position | in. | 47.7 | 52.4 |
| Depth of Attachment (to back of inner shell) | in. | 23.7 | 20.9 |
| Height of Attachment | in. | 22.1 | 20.9 |
| Depth of Attachment (to pivot pin) | in. | 29.1 | 19.6 |
| **LIFT CAPACITY TO FULL HEIGHT** @ Pivot Pins | lbs. | 2100 | 2701 |
| Breakout Force @ Ground Level, pivot pin | lbs. | 3531 | 3660 |
| Relief Valve Setting (Loader Control Valve) | psi | 2489 | 2532 |
| Lift Cylinders | in. | 2.1 x 17.9 | 2.2 x 1.2 |
| Bucket Cylinder | in. | 1.9 x 15.4 | 2 x 1.2 |
| Bucket Specification (Width) | in. | 67 | 72 |

## SPECIFICATIONS: 20 SERIES BACKHOES

| BACKHOES | UNITS | BH760 | BH860 | K710 |
|---|---|---|---|---|
| Digging Depth | in. | 91.2 | 103.2 | 94 |
| Reach from Center Line of Swing Pivot | in. | 123.6 | 134.4 | 127 |
| Loading Height (Bucket at 60°) | in. | 90 | 92.4 | 51 |
| Swing Arc | degrees | 180 | 180 | 180 |
| Transportation Height (maximum) | in. | 85.2 | 91.2 | 119 |
| Transportation Overhang | in. | 46.8 | 50.4 | 44.7 |
| Bucket Rotation | degrees | 149 | 151 | 175 |
| In Line Standard Bucket | in. | 16 | 16 | 16 |
| Stabilizer Spread (down position) | in. | 88.8 | 88.8 | 101 |
| Stabilizer Spread (up position) | in. | 68.4 | 68.4 | 64.5 |
| Undercut | in. | 31.2 | 34.8 | 58 |
| **BUCKET CYLINDER** Digging Force | lbs. | 4,554 | 4,435 | 3190 |
| **DIPPERSTICK CYLINDER** Digging Force | lbs. | 2,530 | 2,694 | 1980 |
| Shipping Weight (less bucket) | lbs. | 1,340 | 1,500 | 1230 |
| Hydraulic Pressure Requirements | psi | 2,346 | 2,346 | 2050 |
| Recommended Tractor HP Requirements | HP | 30-45 | 30-55 | 30-55 |

4020R with BH806 Backhoe and BL25 Loader

# BRANSON TRACTORS SPECIFICATIONS: 20 SERIES TRACTORS

| | | | 20 SERIES ROPS | | | | 20 SERIES ROPS HS | | |
|---|---|---|---|---|---|---|---|---|---|
| MODEL | | UNIT | 3520R | 4020R | 4520R | 5220R | 3520H | 4720H | 5220H |
| Drive System | | | 4 Wheel Drive | | | | 4 Wheel Drive | | |
| MAIN DIMENSIONS | Overall Length | in | 130 | | | | 130.6 | | |
| | Overall Width | in | 64 - 72 | | | | 64 ~ 72 | | |
| | Height with ROPS* | in | 98 | | | | 99.6 | | |
| | Wheelbase | in | 70.9 | | | | 70.9 | | |
| | Front Tread | in | 50.5 | | | | 50.5 | | |
| | Rear Tread | in | 43.6 ~ 60 | | | | 43.6~ 60 | | |
| | Ground Clearance* | in | 12.7 | | | | 15 | | |
| | Bare Axle Weight | lbs | 4053 | 4063 | 4118 | 4123 | 4053 | 4118 | 4118 |
| | *Height & Ground clearance varies with tire options | | | | | | *Height & Ground clearance varies with tire options | | |
| ENGINE | Model | | A1700N2 | A1700T1 | A2300N2 | A2300T3 | A1700N2 | A2300N2 | A2300T3 |
| | Type | | Vertical, 4 Cycle, Water Cooled, Diesel, EPA TIER CERTIFIED | | | | Vertical, 4 Cycle, Water Cooled, Diesel, EPA TIER CERTIFIED | | |
| | Combustion System | | Swirl Chamber | | | | Swirl Chamber | | |
| | Aspiration | | Naturally | Turbo Charged | Naturally | Turbo Charged | Naturally | | Turbo Charged |
| | Engine Output / HP | | 35 | 40 | 47 | 55 | 35 | 47 | 55 |
| | Engine | RPM | 2600 | | | | 2600 | | |
| | No. of Cylinders | | 3 | | 4 | | 3 | 4 | 4 |
| | Bore x Stroke | mm | 88 X 94 (3.46" x 3.7") | | | | 88 X 94 (3.46" x 3.7") | | |
| | Displacement | cc | 1714 | 1714 | 2286 | 2286 | 2286 | | |
| | Compression Ratio | | 21.3:1 | | | | 21.3:1 | | |
| | Type of Air Cleaner | | Dry, Double Filter Elements | | | | Dry, Double Filter Elements | | |
| | Fuel Tank Capacity | gal | 12 | | | | 9.3 | | |
| STEERING | | | Hydrostatic | | | | Hydrostatic | | |
| CLUTCH | | | Dry, Single | | | | Dry, Single | | |
| BATTERY | | | 12V | | | | 12V | | |
| ALTERNATOR | | | 70 Amps | | | | 70 Amps | | |
| BRAKE | | | Wet Disc | | | | Wet Disc | | |
| TRANS-MISSION | Main Shifting | | Fully Synchronized (4 speed) | | | | Hydrostatic | | |
| | Forward & Reverse (F&R) | | Synchro-shuttle | | | | Hydrostatic | | |
| | Gear Shifting (F&R) | | F12 x R12 | | | | HST x 3 Range | | |
| | Travel Speed (F&R) | MPH | F: 1.14 - 20 / R: 1.09 - 19.1 | | | | F: 1.14 - 20 / R: 1.09 - 19.1 | | |
| PTO | Type | | Independent P.T.O. (6 spline shaft) | | | | Independent P.T.O. (6 spline shaft) | | |
| | Speed | RPM | 540 / 790 (540E) | | | | 540 / 790 (540E) | | |
| | Power PTO | HP | 29 | 35.5 | 42 | 47.5 | 29 | 42 | 47.5 |
| HYDRAULIC SYSTEM | Type | | Position | | | | Position | | |
| | 3-Point Hitch | | Category I / Telescopic lower link / telescopic stabilizers | | | | Category I / Telescopic lower link / telescopic stabilizers | | |
| | Lift Capacity | lbs | 3306 lbs. | | | | 3306 lbs. | | |
| | Steering Pump Flow - GPM @ 2600 RPM | | 4.8 (7cc) | | 5 (7.2cc) | | 4.9 (7 cc/rev) | 5 (7.2 cc/rev) | |
| | Main Pump Flow - GPM @ 2600 RPM | | 8.9 (13cc) | | 11.1 (16cc) | | 9 (13 cc/rev) | 10.4 (15 cc/rev) | |
| STANDARD | | | Fender mount front remote valve (4 ports) with joystick | | | | Fender mount front remote valve (4 ports) with joystick | | |

# 20 SERIES CAB TRACTORS

| MODEL | | UNIT | 3520CX | 4520C | 5220C | 4720CH | 5220CH |
|---|---|---|---|---|---|---|---|
| Drive System | | | 4 Wheel Drive | | | | |
| MAIN DIMENSIONS | Overall Length | in | 130.6 | | | | |
| | Overall Width | in | 64 ~ 72 | | | | |
| | Height | in | 93 | | | | |
| | Wheelbase | in | 70.9 | | | | |
| | Front Tread | in | 50.5 | | | | |
| | Rear Tread | in | 43.6~ 60 | | | | |
| | Ground Clearance* | in | 13.1 | | | | |
| | Bare Axle Weight | lbs | 4,442 | 4,442 | 4,442 | 4,442 | 4,442 |
| | *Height & Ground clearance varies with tire options | | | | | | |
| ENGINE | Model | | A1700N2 | A2300N2 | A2300T | A2300N2 | A2300T3 |
| | Type | | Vertical, 4 Cycle, Water Cooled, Diesel, EPA TIER CERTIFIED | | | | |
| | Combustion System | | Swirl Chamber | | | | |
| | Aspiration | | Naturally | | Turbo Charged | Naturally | Turbo Charged |
| | Engine Output / HP | | 35 | 47 | 55 | 47 | 55 |
| | Engine | RPM | 2600 | | | | |
| | No. of Cylinders | | 3 | 4 | 4 | 4 | 4 |
| | Bore x Stroke | mm | 88 X 94 (3.46" x 3.7") | | | | |
| | Displacement | cc | 1714 | 2286 | 2286 | 2286 | |
| | Compression Ratio | | 21.3:1 | | | | |
| | Type of Air Cleaner | | Dry, Double Filter Elements | | | | |
| | Fuel Tank Capacity | gal | 12 | 12 | 12 | 9.3 | 9.3 |
| STEERING | | | Hydrostatic | | | | |
| CLUTCH | | | Dry, Single | | | | |
| BATTERY | | | 12V | | | | |
| ALTERNATOR | | | 70 Amps | | | | |
| BRAKE | | | Wet Disc, Band Brake | | | | |
| TRANS-MISSION | Main Shifting | | Fully Synchronized (4 speed) | | | Hydrostatic | |
| | Forward & Reverse (F&R) | | Synchro-shuttle | | | Hydrostatic | |
| | Gear Shifting (F&R) | | F12 x R12 | | | HST x 3 Range | |
| | Travel Speed | | F: 1.14 - 20 / R: 1.09 - 19.1 | | | | |
| PTO | Type | | Independent P.T.O. (6 spline shaft) | | | | |
| | Speed | RPM | 540 / 790 (540E) | | | | |
| | Power PTO | HP | 29 | 42 | 47.5 | 42 | 47.5 |
| HYDRAULIC SYSTEM | Type | | Position | | | | |
| | 3-Point Hitch | | Category I / Telescopic lower link / telescopic stabilizers | | | | |
| | Lift Capacity | lbs | 3306 lbs. | | | | |
| | Steering Pump Flow - GPM @ 2600 RPM | | 4.8 | 5 | 5 | 5 | 5 |
| | Main Pump Flow - GPM @ 2600 RPM | | 8.9 | 11.1 | 11.1 | 10.4 | 10.4 |

## TIRE OPTIONS

| SIZE | FRONT TIRE | REAR TIRE |
|---|---|---|
| **AGRICULTURAL TIRES** | | |
| AG10 | 7 x 16 | 12.4 x 24 |
| AG20 | 9.5 x 16 | 12.4 x 28 |
| AG25 | 9.5 x 16 | 14.9 x 24 |
| **INDUSTRIAL TIRES** | | |
| IND10 | 28 x 8.50-15 | 43 x 16 - 20 |
| IND20 | 10 x 16.5 | 420 / 70 x 24 |
| IND25 | 12 x 16.5 | 16.9 x 24 |
| **TURF TIRES** | | |
| TURF10 | 27 x 8.5 x 15 | 41 x 14 x 20 |
| TURF20 | 29 x 12.5 x 15 | 44 x 18 x 20 |

BRANSON 4720CH

**Specifications are subject to change without notice. Contact your local Branson dealer for more information.**

**bransontractor.com**

# 20 Series Tractors

bransontractor.com

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