

20 SERIES Tractors

3120R, 3520R, 3520H, 3520CX, 4020R, 4520R, 4520C, 4720H, 4720CH,
5220CH, 5220H, 5220R & 5220C



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 20 SERIES MODELS | HORSEPOWER

3120R | 31 HP

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



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.



20 SERIES CAB TRACTORS



BRANSON 3520CX

FIVE MODELS IN OUR COMPACT CAB TRACTOR

Models available from 35 to 55 HP



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

TRACTOR DIMENSIONS

Hydrostatic Transmission on a CAB Tractor: 4720CH

Also available on 5220CH



FOUR YEAR LIMITED WARRANTY

Branson Tractors offers a warranty period of two years bumper to bumper with a 4 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.

www.bransontractor.com

**4YR. LTD
WARRANTY**

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.



20 SERIES ROPS TRACTORS



BRANSON 5220R



BRANSON 3520H



BRANSON 4720H



BRANSON 4520R



BRANSON 3120R

Design Your Own Tractor with Branson Attachments



SPECIFICATIONS: 20 SERIES FRONT END LOADER

FRONT END LOADER	UNITS	BL25R
Maximum Lift Height	in.	103.8
Clearance with Attachment Level	in.	97.3
Clearance with Attachment Dumped	in.	79.0
Reach at Maximum Height	in.	26.0
Maximum Dump Angle	degrees	44
Reach with Attachment on Ground	in.	67.3
Attachment Rollback Angle	degrees	24.5
Digging Depth Below Grade	in.	1.9
Overall Height in Carry Position	in.	47.7
Depth of Attachment (to back of inner shell)	in.	23.7
Height of Attachment	in.	22.1
Depth of Attachment (to pivot pin)	in.	29.1
LIFT CAPACITY TO FULL HEIGHT @ Pivot Pins	lbs.	2100
Breakout Force @ Ground Level, pivot pin	lbs.	3531
Relief Valve Setting (Loader Control Valve)	psi	2489
Lift Cylinders	in.	2.1 x 17.9
Bucket Cylinder	in.	1.9 x 15.4
Bucket Specification	in.	67

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



		20 SERIES ROPS					20 SERIES ROPS HS				
MODEL	UNIT	3120R	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	4053	4063	4118	4123	4053	4118	4118	
*Height & Ground clearance varies with tire options							*Height & Ground clearance varies with tire options				
ENGINE	Model		A1700N3	A1700N2	A1700T1	A2300N2	A2300T3	A1700N2	A2300N2	A2300T3	
	Type	Vertical, 4 Cycle, Water Cooled, Diesel, EPA TIER CERTIFIED									
	Combustion System	Swirl Chamber									
	Aspiration	Naturally			Turbocharged	Naturally		Turbo Charged			
	Engine Output / HP	31	35	40	47	55	35	47	55		
	Engine	RPM	2600								
	No. of Cylinders	3			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	1714	2286	2286	2286			
	Compression Ratio	21.3:1									
	Type of Air Cleaner	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	26.5	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									

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

AGRICULTURAL TIRES		
SIZE	FRONT TIRE	REAR TIRE
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.

www.bransontractor.com



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Branson Machinery LLC
2100 Cedartown Highway
Rome, GA 30161 (877)734-2022
www.bransontractor.com

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