

# 3B SERIES TRACTORS

COMPACT & CAPABLE



JOHN DEERE

NOTHING RUNS LIKE A DEERE



# THE NEW 3B SERIES IS THE PERFECT ALL-ROUNDER:

COMPACT, MANOEUVRABLE AND LIGHT ON SOIL BUT WITH SUFFICIENT POWER TO TAKE CARE OF A WIDE RANGE OF EVERYDAY TASKS.





## CONTENTS

Overview .....	4
Engine, Transmission.....	6
Dimensions.....	7
Cab.....	8
Hydraulik .....	9
Specifications .....	10



# BUILT FOR COMFORT & PERFORMANCE

## OVERVIEW

With power (PTO), up to two SCVs, lift capacity up to 9.1 kN and hitch options, the new John Deere 3B offers everything you need to perform a wide range of operational tasks. In comfort!

### 1 | PERFORMANCE

- Strong and powerful 4 cylinder engine
- New 12F/12R mechanical reverser transmission
- High PTO performance

### 2 | COMPACTNESS

- Low weight and a compact envelope
- Wheelbase of only 1,960 mm, tight turning radius of only 4,400 mm
- New shuttle reverser and logically grouped controls for better turning



#### 3B MODELS (RATED POWER 97/68EC)

3045B	33.1 kW (45 hp)	4-cyl.
3050B	36.8 kW (50 hp)	4-cyl.

## EXTREMELY CAPABLE

Successful testing in extreme conditions and the new paddy sealed front axle makes the 3B not only a versatile – but also a highly reliable solution.



## 4 | VERSATILITY

- Two different wheel tread options down to 1.2 m
- Up to two SCVs
- Sufficient lift capacity of 9.1 kN
- Hitch height and ball end settings
- High PTO power

## 5 | DURABILITY & RELIABILITY

- Designed to last even in tough conditions
- New paddy sealed front axle

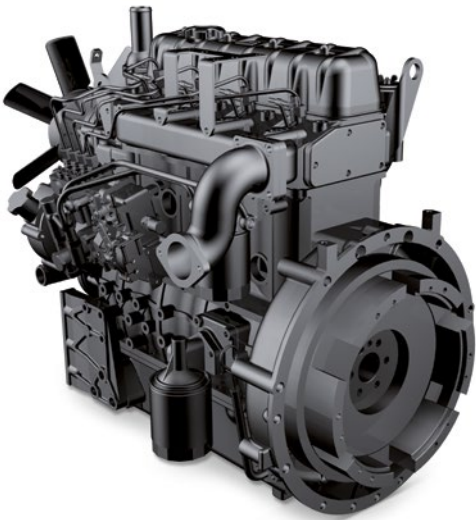
## 3 | COMFORT

- Comfortable design of operator station
- Tilttable steering column
- Easy access to all relevant controls
- New, wide deluxe seat

# EASING THE WORKLOAD

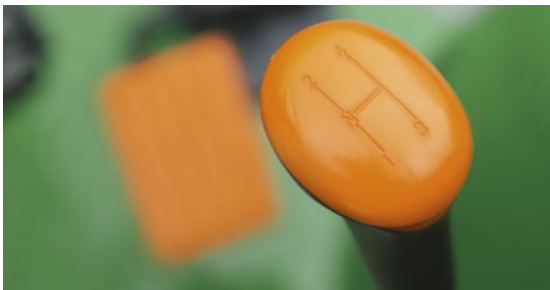
## PERFORMANCE

Unprecedented power for tractors in the 50 to 70 horsepower range. Strength you need to get everyday jobs done.



### EXCEPTIONAL TORQUE

The new 3B Series offers a strong and powerful 4 cylinder, Tier 2 engines 33.1 kW (45 hp) and 36.8 kW (50 hp) as well as a high torque rise.



### HIGH PTO PERFORMANCE

In combination with the new 12F/12R mechanical reverser transmission, the 3B Series not only offers more speed options, but also ensures a high PTO performance.





# UNCOMPROMISING PERFORMANCE

## COMPACTNESS

Compact performance: With a low weight of 2,000 kg and low wheelbase 1,960 mm, the 3B Series tractors do offer a real compact envelope without compromises in performance.



## HIGHLY MANOEUVRABLE

Turning at headlands is convenient even in confined spaces or fields having a low turning radius of only 4,400 mm. Handling various implements at the edge of a field couldn't be easier with the new shuttle reverser and the logically grouped controls.

## KEEPS GOING LONGER

The larger 66 l fuel tank enables longer working hours in the field.



# A JOY TO RIDE

## COMFORT

Combining a high level of power and compactness, we have given the 3B Series a shape that will have you checking off your tasks in more comfort than ever.



## ERGONOMIC CONTROLS

The clear layout of the operator station with the tiltable steering column provides an unobstructed access to all relevant controls while enjoying the work day in the new, wide deluxe seat.



**WORK IN COMFORT –  
FIELD AFTER FIELD,  
SEASON AFTER SEASON.**





# POWERFUL, COMPACT AND COMFORTABLE

## VERSATILITY

From larger to more densely planted crops, the new John Deere 3B Series always feels at home. With two front wheel tread options, rear wheels could be adjusted to 4 different tread width down to 1.2 m. These tractors are perfectly designed to fit your work environment. 3B tractors are designed and constructed to handle a wide range of implements, with up to two SCVs, sufficient lift capacity, and high PTO power.



- 1 | 1 SCV in base (2 SCVs optional)
- 2 | Rear hitch with sufficient lift capacity with 9.1 kN
- 3 | Lift height settings
- 4 | Cat I lower lift link (Cat II balls optional)
- 5 | Ballasting: rear wheel weights in base

## SPECIFICATIONS

ENGINE PERFORMANCE	UNIT	3045B	3050B
<b>97/68EC (without fan)</b>			
Rated power (97/68EC)	[hp]	45	50
	[kW]	33.1	36.8
Maximum power (97/68EC)	[hp]	45	50
	[kW]	33.1	36.8
Constant Power Range	[rpm]	2,100 - 2,300	2,100 - 2,300
Torque Rise	%	20	20
Torque @ 1,200 rpm	[Nm]	151	168
Max. torque	[Nm]	165	183

ENGINE SPECIFICATIONS	UNIT	3045B	3050B
Engine Type		XinChai	
Rated Speed	[rpm]	2,300	
Cylinders and displacement		4 / 2.977 l	4 / 3.168 l
Emission level		Stage II	
Aspiration		Naturally Aspirated	
Number of Valves Per Cylinder		2	
Cooling System and Fan Drive		Water Cooled	
Fuel Injection System & Control		Inline Mechanical Pump	
Bore & Stroke	[mm]	95x105	98x105
Compression ratio		18.5 : 1	
Interval for engine oil change	[h]	250	

FUEL TANK	UNIT	3045B	3050B
Base Fuel tank capacity	[l]	66	

TRANSMISSION	UNIT	3045B	3050B
12F / 12R shuttle shift with dual clutch, collar gear, 35 km/h		X	X

REAR PTO	UNIT	3045B	3050B
540 / 720		X	
PTO Power	[hp]	≥ 39	≥ 43
	[kW]	≥ 28.5	≥ 31.5
Clutch Type		Single disc dry clutch	
Number of splines		8 spline (optional 6 spline)	
Engine at rated PTO speed	[rpm]	1,970 @ 540 PTO speed / 2,020 @ 720 PTO speed	

HYDRAULIC SYSTEM	UNIT	3045B	3050B
System Type		Open Center Hydraulic System	
Base hydraulic pump (Steering & Transmission Control)	[l/min]	6	
Hydraulic pump (SCV & Rockshaft)	[l/min]	20.6	
No. of SCV's		1 - 2	
System pressure	[Mpa]	17 - 18	





3 POINT HITCH - REAR	UNIT	3045B	3050B
Category		CAT I / CAT I with Category II ball	
Lower Link Type		Ball type	
Control Type		Mechanical	
Control Modes		Draft, position and floating control	
Max. Lift Capacity @ hitching point	[kg]	1,080	
	[kN]	10.6	
Max. Lift Capacity @ 610 mm behind hitching point	[kg]	928	
	[kN]	9.1	

DIMENSIONS AND WEIGHTS	UNIT	3045B	3050B
Wheelbase (4WD)	[mm]	1,960	
Total Length	[mm]	3,570	
Height Center of Rear Axle to top of ROPS	[mm]	1,870	
Total height to top of ROPS	[mm]	2,420	
Ground clearance 4WD min – max	[mm]	305	
Rear overall width 4WD min – max	[mm]	1,770	
Total weight OOS (4WD)	[kg]	2,000	
Maximum permissible weight (2WD / 4WD)	[kg]	3,500	

TURNING RADIUS	UNIT	3045B	3050B
Minimum turning radius without brakes	[mm]	4.4	
Minimum turning radius with brakes	[mm]	3.8	

TIRES	UNIT	3045B	3050B
Front Tire		7.50 - 16 R-1	
Rear Tire		11.2 - 28 R-1	

BALLASTING	UNIT	3045B	3050B
Front Weights		8x13kg	
Rear Weights		Std. 4x41kg, Opt. 6x41kg	

# NOTHING RUNS LIKE A DEERE

Together with the John Deere dealership network, we are committed to raising the performance of your operations, maximising uptime and reducing operating costs. So we never stop investing in products and technologies that are quality-built and state-of-the-art. Our capable dealer technicians – who are all John Deere trained – are familiar with every nut, bolt and bite in your equipment, and skilled at diagnosing any potential problems.

You can count on your partnership with us and with our dealer network. After over 175 years in the farm equipment business, we can be sure that together we're better.



This literature has been compiled for worldwide circulation. While general information, pictures and descriptions are provided, some illustrations and text may include finance, credit, insurance, product options and accessories not available in all regions. Please contact your local dealer for details. John Deere reserves the right to change specification and design of products described in this literature without notice. The green and yellow colour scheme, the leaping deer logo and the JOHN DEERE word mark are trademarks of Deere & Company.