FORWARDERS



THE WHOLE PACKAGE MAKES THE DIFFERENCE

The solutions developed by John Deere bring to the market the new, advanced technology that helps forest machine contractors and operators achieve more productive, efficient and sustainable logging.

The design is always based on a reliable and high-performance package of components and features. For example, John Deere engines are designed to operate seamlessly with the hydraulics and automation. For the customer, this means the boom and driveline function smoothly.

Long-term cooperation with customers supports also our future product development work. Our comprehensive testing process ensures high-quality, refined forest machines for our customers.

> JOHN DEERE'S SMART LOGGING SOLUTIONS ARE DESIGNED **TO SUPPORT THE CUSTOMER'S BUSINESS.**


JOHN DEERE
1210G

ERGONOMIC
WORKING ENVIRONMENT

The cabins of John Deere Forest machines are the undisputable frontrunners in the sector. Rotating and leveling cabins boost work efficiency and productivity and improve ergonomics.

The cabin's quietness and the good lighting around the machine and the job site improve operator comfort and productivity. Thanks to the automatic leveling, the operator sits upright even on uneven terrain.

The rotating and leveling cabin automatically follows the boom's movements and gives the operator the best possible direct view to the machine surroundings and the entire logging area. The different work phases are smoothly interlinked, as the cabin can be turned to the best direction for work planning and operator visibility without stopping the machine.

There is also a fixed cabin option for forwarders. The quiet and fixed cabin offers good visibility to the working area and to the front wheels.



EASY. FAST. **PRECISE.**

With Intelligent Boom Control (IBC), the operator controls the tip of the boom rather than the individual boom sections. The trajectory and functioning of the boom adjust automatically based on the location of the grapple. Sensors detect the location of the grapple and the system automatically adjusts the trajectory of the boom and extension. The adjustable end damping of the boom movements increases reliability and operator comfort.

IBC makes working fast and easy. It's also easy for new operators to learn to use the boom and achieve the desired productivity level faster than before.

IBC's intelligent technology enables the continuous development of new features to facilitate the operator's work.

IBC is available for all John Deere forwarders.

> **IBC HELPS TO ACCELERATE THE WORK**
> BY EVEN AS MUCH AS ONE LOAD PER DAY.




JOHN DEERE
1510G

STOP GUESSING

TimberMatic™ Maps gives John Deere forwarder operators a real-time production view to the logging site. The data collected by the harvester's measuring device and the precise GPS-based location of the felled timber are automatically transmitted from the harvester to the TimberMatic Maps application for use by the forwarder operator. Right down to the individual logs.

TimberMatic Maps is standard in all machines.

TimberManager is the machine contractor's real-time view to the logging site data. TimberManager displays the progress of the site in cubic meters and percentages. Precise information about the volume of timber in the landing area makes it easier to plan transportation and improves the functionality of the whole delivery chain. The TimberManager cloud service can be used with a mobile device or a PC.

The configurable **TimberMatic™ control system** ensures excellent control and usability.
The clearly structured CAN bus is reliable and provides excellent fault diagnostics.

TimberCare™ service agreements enable longer service intervals and more uptime. The content of the agreement can be modified locally based on the customer's needs. A service agreement helps to keep daily operating costs low.



TimberMatic Maps

application reduces unnecessary driving.

A RELIABLE, HIGH-PERFORMANCE PACKAGE

BASIC STRUCTURE

FRAMES

+ Excellent durability
+ V-shape of rear frame reduces risk of getting stuck on obstacles
+ Powerful frame steering

LOAD SPACES

+ Wide range for different needs
+ Various sizes and adjustable widths
+ Moveable and liftable headboard and rear-extension options

BOOM

IBC

+ Frontrunner in Intelligent Boom Control
+ Easy to use, precise and fast
+ Reliable

WIDE RANGE OF EXTENSIONS

COMPREHENSIVE SELECTION OF GRAPPLES

CONTROL AND ELECTRICAL SYSTEM

TIMBERMATIC™ CONTROL SYSTEM

+ Responsible for control of the whole base machine
+ Easy to use and visual
+ Easy troubleshooting

TIMBERMATIC™ MAPS

+ Precise location of stems at the logging site
+ Logging site boundaries, landing areas and special condition information
+ Facilitates work planning and execution

ELECTRICAL SYSTEM

+ High-capacity John Deere control modules
+ Straightforward cabling and high-quality connectors
+ Low number of connectors and fuses
+ Reliable





ENGINES

+ John Deere Power Systems engine designed for forwarder use
+ Good fuel economy
+ Wide range of peak torque
+ High peak torque
+ Excellent load response
+ Superior practical performance

CABIN

FIXED

+ Quiet
+ Good visibility

ROTATING AND LEVELING

+ Ergonomic
+ Quiet
+ Excellent visibility

OPTICALLY SUPERIOR WINDOWS WITH SCRATCH- AND CHEMICAL-RESISTANT COATING

TRANSMISSION

CORRECTLY DIMENSIONED DRIVE HYDRAULICS

CAREFULLY SELECTED HIGH-QUALITY COMPONENTS

ROBUST, CORRECTLY DIMENSIONED MECHANICAL COMPONENTS

+ Balanced portal bogies
+ Maintenance-free cardan shafts
+ Optional long bogie to improve drivability on soft and uneven terrain
+ Multiple width options
+ HD axles with hub-drives (1210G, 1510G and 1910G/E)

ADVANCED TRANSMISSION CONTROL

+ Pleasant handling without sacrificing tractive force
+ Excellent durability
+ High uptime

ADC (ADAPTIVE DRIVELINE CONTROL)

+ Adjusts engine RPMs according to power need of transmission
+ Improves drive-time fuel economy
+ Steady forward movement also in difficult conditions
+ Lower noise level



910G
AGILE MACHINE FOR THINNINGS

+ Load rating 9–10 t
+ Reliable 4-cylinder engine (118 kW)
+ Most economical, lightest and smallest of the forwarder models
+ Agile in thinnings
+ Short front overhang
+ 22.5" or 24.5" tires
+ CF5 boom (8.5 m–10 m)
+ Optional boom extension with internal hoses
+ Various load space options
+ Low operating and maintenance costs
+ Designed by BMW Designworks



1010G

EFFICIENT CHOICE FOR THINNINGS AND SMALL REGENERATION HARVESTING

+ Load rating 10–11 t
+ Efficient and reliable 4-cyliner engine (131 kW)
+ Short front overhang
+ Several optional accessories
+ Optional long bogie
+ 24.5" or 26.5" tires
+ CF5 boom (8.5 m–10 m)
+ Optional boom extension with internal hoses
+ Optional variable load space
+ Three length options
+ Optional load space rear extension
+ Designed by BMW Designworks



1110G

VERSATILE MACHINE FOR THINNINGS AND REGENERATION HARVESTING

+ Load rating 12 t
+ Newest version of the legendary 1110 series
+ Powerful 6-cylinder engine (145 kW)
+ Balanced or non-balanced front bogie
+ Increased maneuverability with the long bogie
+ Several boom options
+ Multiple frame and load space alternatives



1210G

PERFORMANCE FROM LATE THINNINGS TO REGENERATION HARVESTING

+ Load rating 13 t
+ Powerful 6-cylinder engine (156 kW)
+ High torque
+ Robust HD bogie axles with hub-drives
+ Increased maneuverability with the long bogie
+ Several boom options
+ Multiple frame and load space alternatives



1510G

PRODUCTIVITY FOR DIFFICULT TERRAIN AND LONG DISTANCES

+ Load rating 15 t
+ Powerful 6-cylinder engine (164 kW)
+ High torque
+ Robust HD bogie axles with hub-drives
+ Increased maneuverability with the long bogie
+ Several boom options
+ Multiple frame and load space alternatives



1910G
CAPACITY FOR BIG LOGGING SITES

+ Load rating 19 t
+ Big and powerful 6-cylinder engine (200kW)
+ Big and robust bogies with 26.5" or 28.5" tires
+ Strong boom
+ Best with big loads on difficult terrain
+ Working is easy even on steep slopes
+ Quick loading and good visibility to load space
+ Big load spaces
+ Expandable headboard as standard

PRODUCT INFORMATION

	910G SHORT	910G MEDIUM	1010G SHORT	1010G MEDIUM
ENGINE	John Deere 4045	John Deere 4045	John Deere 4045	John Deere 4045
Cylinder count	4	4	4	4
Displacement	4.5 l	4.5 l	4.5 l	4.5 l
Power	118 kW @ 1900 rpm	118 kW @ 1900 rpm	131 kW @ 1900 rpm	131 kW @ 1900 rpm
Torque	650 Nm @ 1400–1600 rpm	650 Nm @ 1400–1600 rpm	730 Nm @ 1400–1600 rpm	730 Nm @ 1400–1600 rpm
BOOM	CF5	CF5	CF5	CF5
Max. reach	8.5 / 10 m	8.5 / 10 m	8.5 / 10 m	8.5 / 10 m
Gross lifting torque	102 kNm	102 kNm	102 kNm	102 kNm
Slewing torque	24 kNm	24 kNm	24 kNm	24 kNm
Slewing angle	380 °	380 °	380 °	380 °
LOAD SPACES				
Length	3.60 m	4.00 m	3.60 m	4.00 m
Load space width	2.50 or 2.70 m	2.50 or 2.70 m	2.50–3.05 m	2.50–3.05 m
Cross-sectional area	3.5–4.0 m^2	3.5–4.0 m^2	3.5–4.4 m^2	3.5–4.4 m^2
Examples of optional equipment	Adjustable width load space, movable heard board, adjustable height heard board		Adjustable width load space, movable heard board, adjustable height heard board	
OTHER				
Front tires 6W / 8W	24.5" or 34" / 22.5" or 24.5"	24.5" or 34" / 22,5" or 24.5"	24.5" or 34" / 24.5" or 26.5"	24.5" or 34" / 24.5" or 26.5"
Rear tires	22.5" or 24.5"	22.5" or 24.5"	24.5" or 26.5"	24.5" or 26.5"
Load rating	22.5" tires: 9 tn, 24.5" tires: 10 tn	22.5" tires: 9 tn, 24.5" tires: 10 tn	11 tn	11 tn
Approach angle 6W / 8W	28 / 38 °	28 / 38 °	28 / 38–41 °	28 / 38–41 °
Steering angle	±44 °	±44 °	±44 °	±44 °
Tractive force	22.5" tires: 110 kN, 24.5" tires: 150 kN	22.5" tires: 110 kN, 24.5" tires: 150 kN	24.5" tires: 150 kN, 26.5" tires: 160 kN	24.5" tires: 150 kN, 26.5" tires: 160 kN

1010G LONG	1110G SHORT	1110G LONG	1210G SHORT	1210G LONG
John Deere 4045	John Deere 6068	John Deere 6068	John Deere 6068	John Deere 6068
4	6	6	6	6
4.5 l	6.8 l	6.8 l	6.8 l	6.8 l
131 kW @ 1900 rpm	145 kW @ 1600–1900 rpm	145 kW @ 1600–1900 rpm	156 kW @ 1600–1900 rpm	156 kW @ 1600–1900 rpm
730 Nm @ 1400–1600 rpm	865 Nm @ 1300–1600 rpm	865 Nm @ 1300–1600 rpm	935 Nm @ 1300–1500 rpm	935 Nm @ 1300–1500 rpm
CF5	CF5 or CF7	CF5 or CF7	CF7	CF7
8.5 / 10 m	8.5 / 10 m	8.5 / 10 m	8.5 / 10 m	8.5 / 10 m
102 kNm	CF5: 102 kNm, CF7: 125 kNm	CF5: 102 kNm, CF7: 125 kNm	125 kNm	125 kNm
24 kNm	CF5: 24 kNm, CF7: 32 kNm	CF5: 24 kNm, CF7: 32 kNm	32 kNm	32 kNm
380 °	380 °	380 °	380 °	380 °
4.40 m	4.40 m	5.40 m	4.40 m	5.40 m
2.70–3.15 m	2.70–3.15 m	2.70–3.15 m	2.70–3.40 m	2.70–3.40 m
3.5–4.4 m^2	4.0–4.6 m^2	4.0–4.6 m^2	4.0–5.3 m^2	4.0–5.3 m^2
	Adjustable width load space, movable heard board, adjustable height heard board		Adjustable width load space, movable heard board, adjustable height heard board	
24.5" or 34" / 24.5" or 26.5"	34" / 26.5"	34" / 26.5"	34" / 26.5"	34" / 26.5"
24.5" or 26.5"	26.5"	26.5"	26.5"	26.5"
11 tn	12 tn	12 tn	13 tn	13 tn
28 / 38–41 °	25 / 35 °	25 / 35 °	25 / 36 °	25 / 36 °
±44 °	±44 °	±44 °	±44 °	±44 °
24.5" tires: 150 kN, 26.5" tires: 160 kN	165 kN	165 kN	175 kN	175 kN

PRODUCT INFORMATION

	1510G SHORT	1510G LONG	1910G SHORT	1910G LONG
ENGINE	John Deere 6068	John Deere 6068	John Deere 6090	John Deere 6090
Cylinder count	6	6	6	6
Displacement	6.8 l	6.8 l	9 l	9 l
Power	164 kW @ 1700–1900 rpm	164 kW @ 1700–1900 rpm	200 kW @ 1600–1900 rpm	200 kW @ 1600–1900 rpm
Torque	978 Nm @ 1200–1500 rpm	978 Nm @ 1200–1500 rpm	1 315 Nm @ 1200–1400 rpm	1 315 Nm @ 1200–1400 rpm
BOOM	CF7 or CF7S	CF7 or CF7S	CF7S or CF8	CF7S or CF8
Max. reach	8.5 / 10 m	8.5 / 10 m	CF7S: 8.5 / 10 m, CF8: 7.3 / 8.5 m	CF7S: 8.5 / 10 m, CF8: 7.3 / 8.5 m
Gross lifting torque	CF7: 125 kNm, CF7S: 143 kNm	CF7: 125 kNm, CF7S: 143 kNm	CF7S: 143 kNm, CF8: 151 kNm	CF7S: 143 kNm, CF8: 151 kNm
Slewing torque	32 kNm	32 kNm	CF7S: 32 kNm, CF8: 41 kNm	CF7S: 32 kNm, CF8: 41 kNm
Slewing angle	380 °	380 °	380 °	380 °
LOAD SPACES				
Length	4.40 m	5.60 m	4.60 m	5.45 m
Load space width	2.70–3.40 m	2.70–3.40 m	2.95–3.60 m	2.95–3.60 m
Cross-sectional area	4.0–5.3 m^2	4.0–5.3 m^2	5.4–6.8 m^2	5.4–6.8 m^2
Examples of optional equipment	Adjustable width load space, movable heard board, adjustable height heard board		Adjustable width load space, movable heard board, adjustable height heard board	
OTHER				
Front tires 6W / 8W	34" / 26.5"	34" / 26.5"	34"/ 26.5" or 28.5"	34"/ 26.5" or 28.5"
Rear tires	26.5"	26.5"	26.5" or 28.5"	26.5" or 28.5"
Load rating	15 tn	15 tn	19 tn	19 tn
Approach angle 6W / 8W	26 / 35 °	26 / 35 °	28 / 39 °	28 / 39 °
Steering angle	±44 °	±44 °	±42 °	±42 °
Tractive force	185 kN	185 kN	230 kN	230 kN


20m

TECHNICAL DATA

	910G SHORT	910G MEDIUM	1010G SHORT	1010G MEDIUM	1010G LONG	1110G SHORT
MEASUREMENTS						
Length [A]	8.65 m	9.05 m	8.65 m	9.05 m	9.45 m	9.90 m
Wheelbase [B]	4.40 m	4.80 m	4.40 m	4.80 m	5.20 m	4.90 or 5.30 m
Width from [C]	2.55 m	2.55 m	2.55 m	2.55 m	2.55 m	2.70 m
Outer turning radius with 700-series tires from	7.05 m	7.65 m	7.10 m	7.65 m	8.25 m	7.85 or 8.40 m
Transport height from [D]	3.65 m	3.65 m	3.70 m	3.70 m	3.70 m	3.85 m (CF5) or 3.80 m (CF7)
Ground clearance [E]	0.65 m	0.65 m	0.65 m	0.65 m	0.65 m	0.65 m
Weight 6W / 8W from	15.0 / 14.7 tn	15.0 / 14.7 tn	15.0 / 16.1 tn	15.0 / 16.1 tn	15.0 / 16.1 tn	15.3 / 17.1 tn

Please note: Measurements are given with 0.05 m accuracy. They are guidelines only and may vary depending on production tolerances.

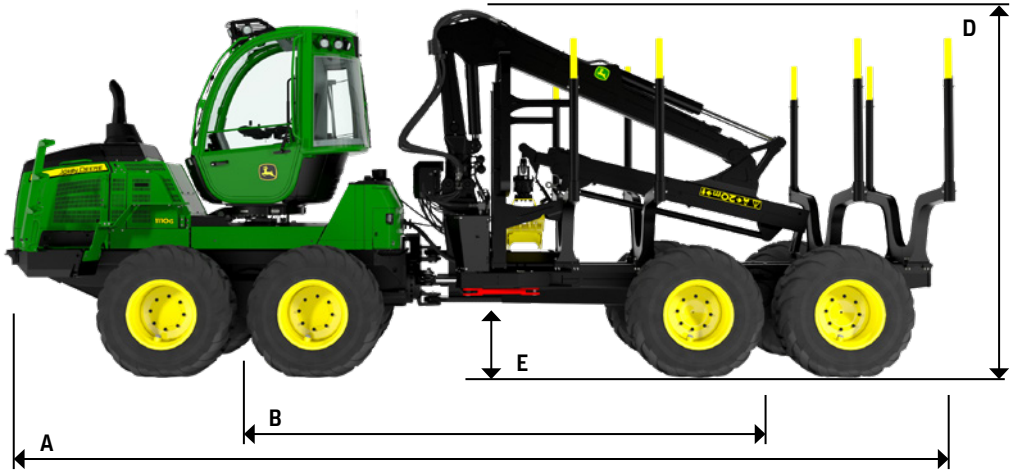
FRONT VIEW



REAR VIEW



SIDE VIEW



1110G LONG	1210G SHORT	1210G LONG	1510G SHORT	1510G LONG	1910G SHORT	1910G LONG
10.90 m	9.90 m	10.9 m	9.90 m	11.10 m	10.55 m	11.45 m
5.70 m	4.90 or 5.30 m	5.70 m	4.90 or 5.30 m	5.90 m	5.75 m	6.25 m
2.70 m	2.75 m	2.75 m	2.95 m	2.95 m	3.00 m	3.00 m
9.00 m	7.90 or 8.45 m	9.00 m	7.90 or 8.45 m	9.30 m	9.40 m	10.15 m
3.85 m (CF5) or 3.80 m (CF7)	3.80 m	3.80 m	3.80 m	3.80 m	4.05 m	4.05 m
0.65 m	0.65 m	0.65 m	0.65 m	0.65 m	0.8 m	0.8 m
15.3 / 17.1 tn	16.2 / 18.1 tn	16.2 / 18.1 tn	16.3 / 18.2 tn	16.3 / 18.2 tn	19.5 / 22.2 tn	19.5 / 22.2 tn



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