

FORWARDERS

1010D 1110D 1410D 1710D

ADVANCED HARVESTING SYSTEM

HARVESTING

TRANSPORTING



JOHN DEERE

THE PERFECT FIT.

No matter what kind of advanced harvesting system you run, there's a D-Series forwarder perfect for your operation.



ADVANCED HARVESTING SYSTEM

HARVESTING



TRANSPORTING



Advanced Harvesting System—No one offers the extensive product line, dealer network and tough, purpose-built machines of John Deere.

The 1010D, 1110D, 1410D and 1710D forwarders give you the best performance in the woods, with features that boost your productivity and uptime, all while keeping your daily operating costs low.

The D-Series forwarders have earned a reputation worldwide as hard-working, easy to operate and reliable machines that prove themselves shift after shift. Powerful, fuel-efficient John Deere engines, telescopic booms that match operator preferences automatically, a comfortable, air-suspension seat and easy serviceability across the entire line assures you're getting the best whatever model you choose.



	1010D	1110D	1410D	1710D
Rated Engine Power	4045H–115 SAE gross hp 86kW @ 2,000 rpm	6068H–161 SAE gross hp 121 kW @ 2,000 rpm	6068H–173 SAE gross hp 129 kW @ 2,000 rpm	6081H–215 SAE gross hp 160 kW @ 2,000 rpm
Standard Operating Weight (depending on equip.)	26,450–27,560 lb 12 000–12 500 kg	30,137–38,140 lb 13 670–17 300 kg	36,375–38,580 lb 16 500–17 500 kg	40,785–42,990 lb 18 500–19 500 kg
Max. Tractive Effort	31,473 lb-ft 140 kN	33,721 lb-ft 150 kN	39,342 lb-ft 175 kN	44,960 lb-ft 200 kN

The added power from the high torque rise gives you fast and easy loading with numbers you'll notice at the end of the day.



Powerful booms are easy to control with smooth operation, making loading and unloading more efficient.

Efficient hydraulics make operation effortless, while large diameter hoses reduce pressure loss.

Low center of gravity of the load space keeps the forwarder stable in all conditions. There are two different frame lengths available to meet your exact application.

The frame and middle joint are built for reliability and a well-balanced machine with a powerful frame brake.

Patented balanced bogie system available on both the six-wheeled and eight-wheeled versions significantly reduces ground impact and ensures a smooth ride over the toughest terrain. The six-wheeled version features a rigid, dependable front axle.



Total Machine Control (TMC™) governs all machine functions for precise operator control and increased productivity. Available on 1110D, 1410D and 1710D.

Cab offers excellent visibility in all directions. Efficient air conditioning, sound insulation and fully adjustable seat provides maximum operator comfort.

Cab windows are made from a durable polycarbonate glass that's tinted for operator comfort.

John Deere PowerTech™ diesel engines deliver excellent fuel economy with high torque at low rpms.

Engine components that require daily servicing are easily accessible under the lightweight engine hood.

Access to service points under the cab is made easy with hydraulic lift. The belly pan can also be lowered and raised with a winch for easy access.

Excellent ground clearance and high tractive effort enables you to move over the toughest ground. Several tire options, as well as compatible chains and tracks, let you outfit your forwarder with the perfect combination to suit your specific needs.

TAKE A LOOK AROUND.

GET MORE OUT OF EACH SHIFT.

The D-Series forwarders feature highly efficient John Deere diesel engines and the most comfortable cab in the industry for unparalleled productivity.

The electronically controlled, fuel-injected common rail fuel systems in John Deere engines give you the power you need when you need it. The advanced Total Machine Control (TMC™) system (in the 1110D, 1410D and 1710D models) automatically responds to the engine demands for precise control. The TMC system optimizes performance by efficiently controlling the boom functions and power transmission. The speed of the loader can be adjusted at the touch of a button while loading.

The Timbermatic 700 system (available on the 1110D, 1410D and 1710D) is an alternative to TMC. T700 creates a telecommunications link between the harvester and the forwarder, keeping both up to date on vital information like the location of logs produced by the harvester. The PC-based T700 and large color monitor give the operator the tools to do his job more effectively and efficiently, from e-mail to maps.

The 1010D model is controlled by the exclusive Loader Control System (LCS) to match operator preferences. It runs at higher working pressure with lower hydraulic flow, which allows you to load and unload faster with greater lift capacity, on less fuel.

With the TMC speeds set, the operator is ready to work tirelessly in the cab that sets the industry standard when it comes to comfort and size. The fully adjustable, air suspension seat is heated for maximum comfort and features air bag lumbar support. The spacious interior is climate-controlled, insulated and vibration-dampened to minimize operator fatigue and keep him at his peak performance.



The sound-insulated and vibration-dampened cab keeps noise levels below a quiet 72db(A). That way you can hear the AM/FM cassette radio.



The mini-lever joystick controls mounted on the armrest give you precise control of all loader functions.



TMC provides valuable information on the different machine functions, such as average or momentary fuel consumption.



Powerful work lights have 30% more power than before. You have the option of Xenon lights that turn night into day.

1010D/1110D

FORWARDERS

1010D 1110D 1410D 1710D



DON'T LET THEIR SIZE FOOL YOU.

When it comes to big-time productivity in short-haul forwarding, the 1010D and 1110D forwarders are big on output.

The loader is crucial to quick cycle times in short-haul forwarding. Both the 1010D and 1110D forwarders feature the powerful CF5 loader. It's faster and stronger than previous models and it runs at higher working pressure with lower hydraulic flow, so you can load and unload faster with greater lift capacity—on less fuel.



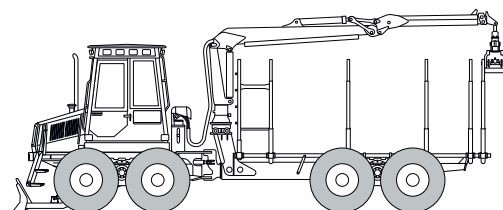
The 1010D and 1110D have the power for regeneration harvesting and the agility for thinnings.

The six-wheel 1010D rides on a high-walker, full-gear bogie axle. Mounted inside the rim, the axle increases clearance from side to side, further reducing the chance for hang-ups.

The 1010D is available in either four- or six-wheel drive. The 1110D is available in either six- or eight-wheel-drive configurations.

The eight-wheeled version of the 1110D features the patented balanced bogie system for reduced ground impact and a smooth ride even when it's fully loaded.

Both models have the option of three boom configurations and two deck lengths to meet your lift and reach needs.



1410D/1710D



STAMINA FOR THE LONG HAUL.

Riding on a balanced bogie system, the 1410D and 1710D forwarders are the perfect choice for reliable, double-shift production.

The 1410D is the ideal forwarder for average- to long-distance hauls. While the 1710D is the choice for long-distance forwarding in large-scale, demanding operations like regeneration harvesting of large trees.

Variable Load Space (VLS) is optional equipment (also available on the 1110D model) that allows the size of the load space to be adjusted hydraulically, without steps.

As much as an additional 25 inches (64 cm), depending on conditions, is available for forwarding and sorting short pulpwood and energy wood. At its narrowest, the load space is ideal for operating in narrow spaces and transporting on public roads.

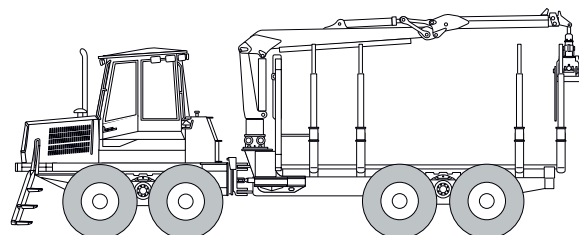
Both models feature quick-response, high-torque John Deere engines. The 1410D is powered by the 6.8L 6068H, and the 1710D features the 6081H turbocharged 8.1L.



The patented balanced bogie system significantly increases the environmental friendliness of the machine. Evenly distributing the weight between all the wheels reduces the ground impact and provides a smooth ride, even when the forwarder is fully loaded.

The steep approach angle and high ground clearance make travel easier on rough ground. Inside-the-rim mounting increases the width of clearance as well.

The new loaders are more powerful yet lighter. The single telescopic boom extension is standard. Longer reach options are available with double extensions.





AROUND-THE-CLOCK RELIABILITY.

A full line of forwarders that are built to keep working long after the sun has gone down.

The D-Series forwarders are designed to operate reliably and efficiently. They are powered by industry-leading John Deere diesel engines, which run at lower rpms and match power output to the heaviest demands. Working well within the engine's rated capacity extends the life of the engine and its components.

The efficient hydraulic system features large diameter hoses and pipes that reduce pressure loss, while the high-grade filter system lengthens the life of the components. And when the sun goes down, bright halogen lights keep you working. An optional Xenon light package turns night into day, allowing you to work around the clock.

Service intervals have been extended. The engine oil and filter change has been increased from 250 hours to 500 hours, which means less downtime and more time working.



KEEP YOUR DAILY OPERATING COSTS LOW AND YOUR PROFITS HIGH.

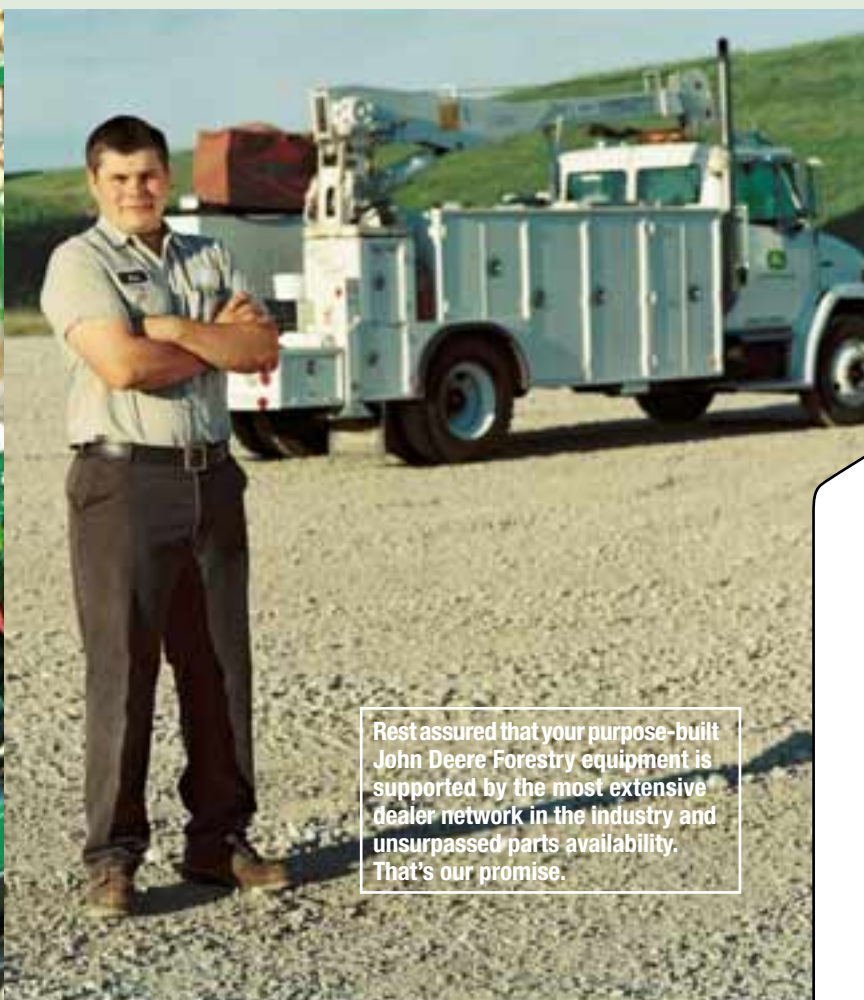
The less money you spend on fuel and less time you spend performing daily maintenance chores means more money for your bottom line.



For preventative maintenance, the cab on the 1110D, 1410D and 1710D models can be hydraulically lifted and shifted to one side, and the belly pan is lowered and raised by a winch for easy access.

Fuel prices are taking a bite out of your profits. The D-Series forwarders will help take control of your daily operating costs with fuel-efficient engines. The electronically controlled, fuel-injected common rail system gives you the power you need, when you need it. And makes the most of every gallon of fuel.

Ground-level access to daily servicing points quickens the process of checking fluid and fuel levels. That way your operator can spend more time working and less time fiddling with dipsticks.



Rest assured that your purpose-built John Deere Forestry equipment is supported by the most extensive dealer network in the industry and unsurpassed parts availability. That's our promise.

OPERATOR'S STATION

Air conditioner (R134A refrigerant)/heater, with filters

AM-FM stereo radio/cassette with two (2) remote-mounted speakers

Parallel cab lift/shift with onboard hydraulic pump

Cab with integral forestry guarding, FOPS, OPS, and ROPS protective structure

Secondary exit (right side window)

Tinted polycarbonate windows

Sun blinds, all windows

Sun curtain on front window

Windshield wiper/washer, front and rear windows

Storage compartment with spare parts catalog and operator's manual

Floor mat

Coat hook

TMC display

Horn

Rearview mirror, interior mounted

Seat, fabric covered, heated, air suspension: lumbar adjustment / weight adjustment / seat armrest height adjustment / high back / seat backrest angle adjustment / 230-degree seat rotation with three-position lock pedestal. Seat belt, 2-in 51 mm wide with retractor (conforms to SAE J386)

TOTAL MACHINE CONTROL SYSTEM (TMC™)

Controls engine, transmission and loader

Driver-specific parameters for seven operator and two factory settings

Operator chooses speed and sensitivity of functions to personal preference.

Gauge and indicator light information displayed on graphic screen: engine coolant temperature, hydraulic oil temperature, voltage, etc. Monitoring and visual and audible alarm system with a built-in diagnostic program to reduce downtime.

STANDARD EQUIPMENT

1010D

1110D

LCS (Loader Control System)TMC (Total Machine Control) system

Fire extinguisher ABE III 10 lb 5 kg.....Fire extinguisher ABE III 10 lb 5 kg

Engine hood and cab protection.....Engine hood and cab protection

Back-up alarm.....Back-up alarm

Frame oscillation brake.....Frame oscillation brake

Hydraulic oil refill pump, electric.....Hydraulic oil refill pump, electric

Parts manualParts manual

Operator's manualOperator's manual

OPTIONAL EQUIPMENT

700 series tires in lieu of 600 series

Xenon working and boom lights

CF5 85 loader, 27-ft 11-in reach 8,5 m

CF5 10 loader, 32-ft 10-in reach 10 m

Hultdins SG260 or SG360 grapple

Grapple swing damp link

Decking blade, with manual control

Eco-tracks, spare wheel assemblies

Tool box

Tow pin

Specifications and design subject to change without notice and without incurring any obligation to make such changes on machines manufactured previously. Wherever possible, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on the machines with standard equipment. Some items shown are optional and may not be available in all markets. Errors and omissions excepted.

Photos may show features or options not available in all markets.

ENGINE	1010D	1110D
Type	John Deere 4045H, water-cooled turbocharged and inter-cooled 4-cylinder diesel engine	John Deere JD6068 HTJ75 turbo-charged, 6-cylinder diesel engine, CAC (charge air cooled)
Rated Power	115 SAE gross hp 86 kW @ 2,000 rpm	161 SAE gross hp 121 kW @ 2,000 rpm
Cylinders	4	6
Displacement	276 cu-in 4,5 L	414 cu-in 6,8 L
Maximum Net Torque	367 lb-ft 498 Nm @ 1,400 rpm	530 lb-ft 719 Nm @ 1,400 rpm
Air Cleaner	Two-stage with safety element and dust unloader valve	Two-stage with safety element and dust unloader valve
Cooling System	Heavy-duty radiator with coolant level indicator and coolant recovery reservoir, oil to water engine cooler	Heavy-duty radiator with coolant level indicator and coolant recovery reservoir, oil to water engine cooler
Cooling Fan	Suction-type, enclosed with guard Service interval for engine oil and filter is 500 hours Oil drain hose for spill-free oil changes	Suction-type, enclosed with guard Service interval for engine oil and filter is 500 hours Oil drain hose for spill-free oil changes
Antifreeze	-34°F -37°C	-34°F -37°C
Fuel Line	Quick release fuel filter, electric fuel shut-off with start switch key, electronically controlled, rotary-type injection pump	Quick release fuel filter, electric fuel shut-off with start switch key, electronically controlled, rotary-type injection pump

ELECTRICAL

Type	24 volt with 100-amp alternator	24 volt with 100-amp alternator
Batteries	2 heavy-duty 12 volt, 870, cold cranking amps (115 Ah)	2 heavy-duty 12 volt, cold cranking amps (145 Ah)
Work Lights	8 high-intensity Halogen style Twin-Power (2 x 70 watt) work lights, 2 single 70-watt head lights, 1,260 watts in the working area of the loader, 2 optional 70-watt working lights to the boom are available	8 high-intensity Halogen style Twin-Power (2 x 70 watt) work lights, 2 single 70-watt head lights, 1,260 watts in the working area of the loader, 2 optional 70-watt working lights to the boom are available

TRANSMISSION

	1010D	1110D
Type	Hydrostatic-mechanical transmission with low and high range	Hydrostatic-mechanical transmission with low and high range
Travel Speeds Forward and Reverse		
High	0-13.7 mph 0-22 km/h	0-13.7 mph 0-22 km/h
Low	0-5 mph 0-8 km/h	0-5 mph 0-8 km/h
Max. Tractive Effort	31,473 lb-ft 140 kN	33,721 lb-ft 150 kN

STEERING

Type	Articulated frame steering with two hydraulic cylinders	Articulated frame steering with two hydraulic cylinders
Frame Articulation	± 44 degrees, stop to stop	± 44 degrees, stop to stop
Steering Control	Proportional, electric mini-joystick over hydraulic, armrest mounted	Proportional, electric mini-joystick over hydraulic, armrest mounted

CAPACITIES

	1010D	1110D
Fuel Reservoir	30 US gal 113 L	39.6 US gal 150 L
Cooling System	5.5 US gal 21 L	7.1 US gal 27 L
Hydraulic System	50.2 US gal 190 L	39.6 US gal 150 L

OPERATING WEIGHT

Depending On Configuration	26,450-27,560 lb 12 000 kg-12 500 kg	30,137-38,140 lb 13 670 kg-17 300 kg
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HYDRAULIC SYSTEM

Type	Load-sensing hydraulic system with power control and Loader Control System (LCS)	Load-sensing hydraulic system with power control and Total Control System (TCS)
Working Hydraulics	Variable displacement pump	Variable displacement pump
Rated Flow	39.6 US gpm 150 L/min @ 1,500 rpm	49.5 US gpm 187.5 L/min @ 1,500 rpm
Pressure	3,480 psi 24 MPa	3,480 psi 24 MPa
Powertrain Hydraulics	Variable displacement pump	Variable displacement pump

BRAKE SYSTEM

Service Brakes	Foot pedal operated, hydraulically actuated, oil immersed, multiple disc brakes, inboard	
Working Brake	Automatically operated, spring applied, hydraulically released, oil immersed, inboard	Service and working brakes are hydraulically actuated, oil-immersed multi-disc brakes
Parking Brake	Automatically or manually operated, spring applied, hydraulically released, oil immersed, inboard Frame oscillation brake, automatic	Spring-actuated parking and emergency brakes. ISO 11169

WOOD BUNK 1010D

	4-Wheel Long and 6-Wheel	4-Wheel Short
Length	16-ft 4,90 m	9-ft 8-in 2,95 m
Width	8-ft 8.7-in 2,66 m	8-ft 5.6-in 2,58 m
Max. Cross Section	37.7 sq-ft 3,5 m ² Fixed headboard with 4 bunks, 8 stakes	36.6 sq-ft 3,4 m ² Fixed headboard with 3 bunks, 6 stakes
Max. Load Rating	22,000 lb 10 000 kg	19,810 lb 9 000 kg
Payload	4.7 cords 17,1 m ³ stacked	2.3 cords 8,3 m ³ stacked

WOOD BUNK 1110D

	6- and 8-Wheel
Length	15-ft 11-in 4,85 m/15-ft 4,58 m/17-ft 11-in 5,47 m
Width	8-ft 5-in 2,56 m
Max. Cross Section	4,0 m ² /3,5 m ² /4,5 m ² Fixed headboard with 4 bunks, 8 stakes
Max. Load Rating	26,455 lb 12 000 kg
Payload	5.6 cords 20,3 m ³ stacked

LOADER CF5

Type	Telescopic knuckleboom with telescopic outer boom and mini-joystick control with LCS in 1010D and TMC in 1110D
Gross Lifting Torque	75,230 lb-ft 102 kNm
Slewing Torque	18,000 lb-ft 24,4 kNm
Slewing Angle	380 degrees
Grapple	SG260 2.8 sq-ft 0,26 m ² Optional SG360 3.9 sq-ft 0,36 m ² SG260S 2.8 sq-ft 0,26 m ²

Model	CF5 72	CF5 85	CF5 10
Reach, Maximum	23-ft 7-in 7,2 m	27-ft 11-in 8,5 m	32-ft 10-in 10,0 m
Length of Extension	4-ft 7-in 1,39 m	8-ft 2-in 2,5 m	13-ft 9-in 4,2 m
Max. Load at Max. Reach (Without grapple, link and rotator)	2,381 lb 1 080 kg	1,764 lb 800 kg	1,280 lb 580 kg

TECHNICAL DATA 1010D 1110D

TIRES

	1010D	4-Wheel Long	4-Wheel Short	1110D	8-Wheel
Front	6-Wheel			6-Wheel	
Standard	600x34/14	600x34/14	600x34/14	600x34/14	600x26.5/20
Optional	700x34/14	700x34/14	700x34/14	700x34/14	710x26.5/16
		66/43-26			
Rear					
Standard	600x26.5/20	600x34/14	600x34/14	600x26.5/20	600x26.5/20
Optional	700x26.5/20	700x34/14	700x34/14	710x26.5/16	710x26.5/16
		66/43-26			

AXLES

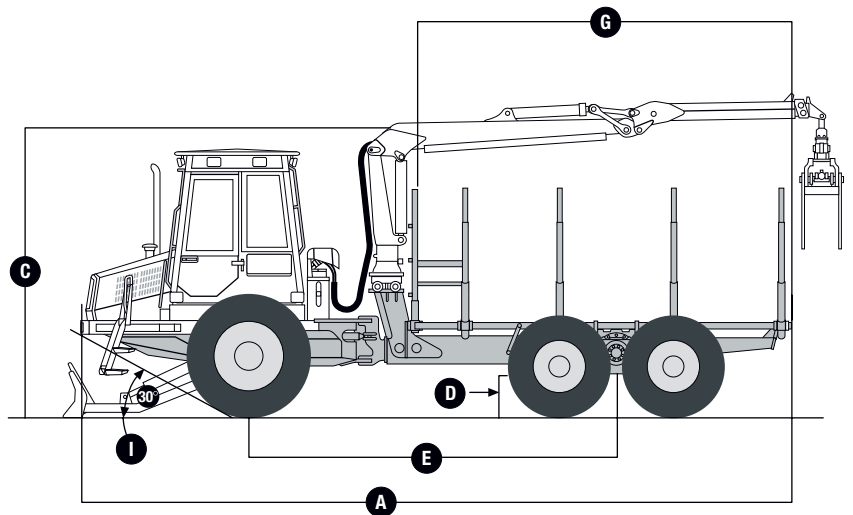
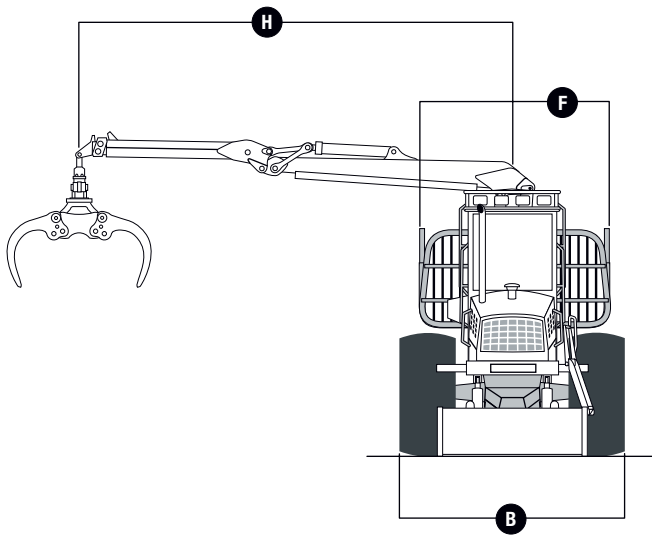
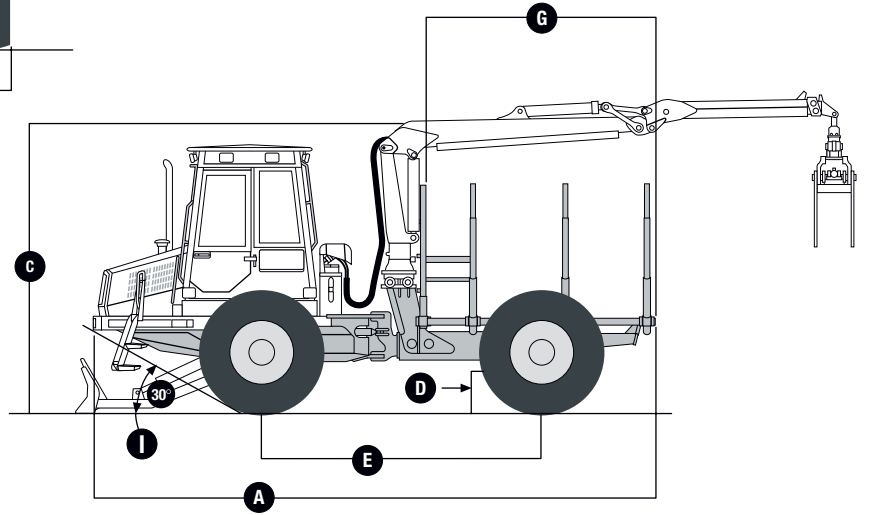
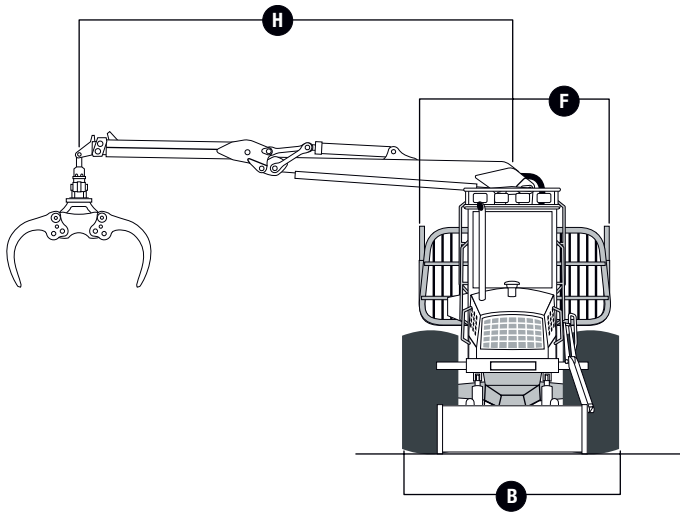
	1010D	1110D
Type	4W: Single, rigid axle front and rear	Six wheel Eight wheel
	6W: Single, rigid front axle and high-walker, full gear bogie axle with portal type bogie beams on the rear	Rigid axles at the front; Balanced gear bogie axles at the rear; hydro-lock at the front and rear
Final Drives	4W: Heavy-duty planetary, mounted outboard in front and rear 6W: Heavy-duty planetary, mounted outboard in front and inboard in rear	Heavy-duty planetary, mounted outboard in front and inboard in rear Balanced gear bogie axles; Hydro-mechanical differential lock at the front and rear Optional HD axles also available
Differentials	Hypoid-type, hydraulically operated mechanical differential locks front and rear Disconnection of the rear-wheel drive in high range	Hypoid-type hydraulically operated mechanical differential locks front and rear Disconnection of the rear-wheel drive in high range

GROUND PRESSURE DATA

	1010D	1110D
Front Empty	6-Wheel	4-Wheel Long
600x34	7.8 psi 54 kPa	7.8 psi 54 kPa
700x34	7.5 psi 52 kPa	7.5 psi 52 kPa
66x34-26	N/A	4.8 psi 33 kPa
Front Loaded		
600x34	7.8 psi 54 kPa	8.3 psi 57 kPa
700x34	7.5 psi 52 kPa	7.8 psi 54 kPa
66x34-26	N/A	5.1 psi 35 kPa
Rear Empty	6-Wheel	4-Wheel Long
600x34	N/A	6.1 psi 42 kPa
Different Tire Size		
600x26.5	4.2 psi 29 kPa	N/A
With Tracks	2.5 psi 17 kPa	N/A
700x26.5	3.6 psi 25 kPa	N/A
With Tracks	2.2 psi 15 kPa	N/A
66x34-26	N/A	3.8 psi 26 kPa
Rear Loaded		
600x34	N/A	18.4 psi 127 kPa
600x26.5	11.5 psi 79 kPa	N/A
With Tracks	6.7 psi 46 kPa	N/A
700x34	N/A	17.5 psi 121 kPa
700x26.5	10.0 psi 69 kPa	N/A
With Tracks	5.8 psi 40 kPa	N/A
66x34-26	N/A	11.3 psi 78 kPa

DIMENSIONS

	1010D	1110D
	4-Wheel Long and 6-Wheel	4-Wheel Short
A Length	30-ft 6-in 9,30 m	24-ft 5-in 7,44 m
B Width		
With 600 series tires	8-ft 9.6-in 2,68 m	8-ft 6-in 2,59 m
With 700 series tires	9-ft 4.6-in 2,86 m	9-ft 4.6-in 2,86 m
With 66/43-26 tires (4W long only)	11-ft 5-in 3,48 m	N/A
C Transport Height	12-ft 2-in 3,70 m	12-ft 2-in 3,70 m
D Ground Clearance	1-ft 11.8-in 60,5 cm	1-ft 11.8-in 60,5 cm
E Wheelbase	15-ft 9-in 4,80 m	12-ft 3-in 3,72 m
F Load Stake Width	8-ft 8.7-in 2,66 m	8-ft 5.6-in 2,58 m
G Length of Wood Bunk	16-ft 4,9 m	9-ft 8-in 2,95 m
H Reach		
Optional	23-ft 7-in 7,2 m	23-ft 7-in 7,2 m
	27-ft 11-in 8,5 m	27-ft 11-in 8,5 m
	32-ft 10-in 10 m	32-ft 10-in 10 m
I Approach Angle	30 degrees	30 degrees



OPERATOR'S STATION

Air conditioner (R134A refrigerant)/heater, with filters

AM-FM stereo radio/cassette with two (2) remote-mounted speakers

Parallel cab lift/shift with onboard hydraulic pump

Cab with integral forestry guarding, FOPS, OPS, and ROPS protective structure

Secondary exit (right side window)

Tinted polycarbonate windows

Sun blinds, all windows

Sun curtain on front window

Windshield wiper/washer, front and rear windows

Storage compartment with spare parts catalog and operator's manual

Floor mat

Coat hook

TMC display

Horn

Rearview mirror, interior mounted

Seat, fabric covered, heated, air suspension: lumbar adjustment / weight adjustment / seat armrest height adjustment / high back / seat backrest angle adjustment / 230-degree seat rotation with three-position lock pedestal. Seat belt, 2-in 51 mm wide with retractor (conforms to SAE J386)

STANDARD FEATURES

Timberjack TMC™ (Total Machine Control) system

Preheater, 10 kW, for engine, cab and hydraulic reservoir

Extra working lights on the boom (two 70 watt)

Extra working lights on the cab rear (two 70 watt)

Fire extinguisher, 10 lb 5 kg

Hydraulically actuated steps

Hand grips

Vacuum pump for the hydraulic system, electrical

Refill pump for hydraulic fluid, electrical

Quick coupling for fuel refilling

Cable-type cab and engine hood guards

Back-up alarm

Frame oscillation brake

Articulation lock bar and pins

Tow pin

Toolbox with tool kit

Hose carrier

Spare parts catalogue

Operator's manual

OPTIONAL EQUIPMENT

Nokian 650 mm tires (8), in lieu of 750 mm (1710D only)

Nokian 600 mm tires (8), in lieu of 700 mm (1410D only)

Rear window sun curtain

Washer and wiper for rear side windows

CD changer with 5 CD capacity

Environmental spill kit

Hultdins SG360S grapple (1710D only)

Hultdins SG260 or SG260S grapple (1410D only)

Decking blade, with proportional control

Fuel refill pump, electrical

Extra pre-cleaners for engine and cab air intake

EcoTrack bogie tracks and tire chains, consult your dealer

Spare wheel assemblies

French decals and operator's and spare parts manuals

Xenon work lights

TOTAL MACHINE CONTROL SYSTEM (TMC™)

Controls engine, transmission and loader

Driver-specific parameters for seven operator and two factory settings

Operator chooses speed and sensitivity of functions to personal preference. Gauge and indicator light information displayed on graphic screen: engine coolant temperature, hydraulic oil temperature, voltage, etc. Monitoring and visual and audible alarm system with a built-in diagnostic program to reduce downtime.

ENGINE	1410D	1710D
Type	John Deere 6068H, charge air cooled, 6-cylinder turbocharged isolation-mounted diesel with TMC™	John Deere 6081H, charge air cooled, 6-cylinder turbocharged isolation-mounted diesel with TMC™
Rated Power	173 SAE gross hp 129 kW @ 2,000 rpm	215 SAE gross hp 160 kW @ 2,000 rpm
Cylinders	6	6
Displacement	414 cu-in 6,8 L	494 cu-in 8,1 L
Maximum Net Torque	575 lb-ft 780 Nm @ 1,300–1,400 rpm	811 lb-ft 1100 Nm @ 1,200–1,300 rpm
Air Cleaner	Two-stage with safety element and dust unloader valve	
Cooling System	Heavy-duty radiator with coolant level indicator and coolant recovery reservoir, oil to water engine cooler	
Cooling Fan	Suction-type, enclosed with guard Service interval for engine oil and filter is 500 hours Oil drain hose for spill-free oil changes	
Antifreeze	-34°F -37°C	
Fuel Line	Quick release fuel filter, electric fuel shut-off with start switch key, electronically controlled, rotary-type injection system	Quick release fuel filter, electric fuel shut-off with start switch key, electronically controlled, high-pressure common rail fuel injection system

ELECTRICAL

Type	24 volt with 140-amp alternator
Batteries	Heavy duty, low maintenance, 1,050 (1710D), 850 (1410D) cold cranking amps, (two 12 volt) 145 Ah
Work Lights	10 high-intensity halogen-style Twin-Power (2 x 70 watt) work lights, 2 single 70-watt head lights, 2 x 70-watt boom lights, 2 x 70-watt cab rear lights and 1 x 70-watt rear light – 1,750 watts in the working area of the loader

TRANSMISSION

Type	Hydrostatic mechanical with protected electric/hydraulic range shift of two-speed gearbox and TMC. Off-road driving with smooth no-surge starts without dropping engine speed, disconnection of rear axle drive with high range
Travel Speeds, Forward and Reverse	
High	0–13.7 mph 0–22,0 km/h
Low	0–5.0 mph 0–8,0 km/h
Maximum tractive effort	39,342 lb-ft 175 kN

AXLES

Type	High-walker, patented, full gear balanced heavy-duty bogie axle with portal-type bogie beams in front and rear
Final Drives	Heavy-duty planetary, mounted inboard in front and rear
Differentials	Hypoid-type, hydraulically operated mechanical differential locks front and rear Disconnection of the front wheel drive in high range

BRAKES

Service Brake	Foot-pedal operated, hydraulically activated, oil immersed, multiple disc, inboard
Working Brake	Automatically operated, spring applied, hydraulically released, oil immersed, inboard
Parking Brake	Automatically or manually operated, spring applied, hydraulically released, oil immersed, inboard Frame oscillation brake, automatic

STEERING	1410D	1710D
Type	Articulated frame steering with two hydraulic cylinders	
Frame Articulation	± 42 degrees, stop to stop	
Lever Steering	Proportional, electrical mini-joystick over hydraulics, armrest mounted	

HYDRAULIC SYSTEM

Type	Load sensing, power control and TMC, vacuum pump for the hydraulic system, electrical	
Working Hydraulics	Variable-displacement pump	Variable-displacement pump
Rated Flow	55.5 US gpm 210 L/min @ 1,500 rpm	55.5 US gpm 210 L/min @ 1,500 rpm
Pressure	3,480 psi 24,0 MPa	3,480 psi 24,0 MPa
Powertrain Hydraulics	Variable-displacement-pump and motor	
Rated Flow	50 US gpm 189 L/min @ 1,500 rpm	71.3 US gpm 270 L/min @ 1,500 rpm
Fluid	Heavy-duty oil cooler, side by side with radiator, oil filter, return, 10 micron with bypass, quick-disconnect diagnostic ports	

TIRES

Front and Rear	
Standard	700x26.5, 20 PR ELS NK
Optional	600x26.5, 20 PR ELS NK

WOOD BUNK

Deck Length	17-ft 10-in 5,4 m or 13-ft 10-in 4,2 m	18-ft 3-in 5,56 m
Load Stake Width	9-ft 1-in 2,76 m or 9-ft 10-in 3,0 m	9-ft 8-in 2,95 m
Maximum Cross Section	49.5 sq-ft 4,6 m²	58 sq-ft 5,4 m²
Optional	53.5 sq-ft 5,0 m² for 13-ft 10-in deck	
Headboard	Fixed with hydraulic extension	Fixed with hydraulic extension
Log Bunks	4 pair with 8 stakes, moveable	4 pair with 8 stakes, moveable
Payload	6.2 cords 22,4 m³ stacked	7.3 cords 26,3 m³ stacked
Optional	6.7 cords 24,4 m³ stacked for 13-ft 10-in deck	
Max. Load Rating	30,865 lb 14 000 kg	37,480 lb 17 000 kg

CAPACITIES

Fuel Reservoir	43.6 US gal 165 L	48 US gal 180 L
Cooling System	8.2 US gal 31 L	7.7 US gal 29 L
Hydraulic Oil System	37 US gal 140 L	50 US gal 190 L

OPERATING WEIGHT

Depending on Equipment	36,375–38,580 lb 16 500–17 500 kg	40,785–42,990 lb 18 500–19 500 kg
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LOADER	1410D	1710D
Type	CF7 knuckleboom with telescopic outer boom and TMC™ with mini-joystick controls	CF8 knuckleboom with telescopic outer boom and TMC™ with mini-joystick controls
Gross Lifting Torque	92,195 lb-ft 125 kNm	111,370 lb-ft 151 kNm
Gross Swing Torque	23,600 lb-ft 32 kNm	30,235 lb-ft 41 kNm
Slewing Angle	380 degrees	380 degrees
Grapple	SG360 3.9 sq-ft 0,36 m²	SG420 4.5 sq-ft 0,42 m²
Optional	SG260 2.8 sq-ft 0,26 m² SG260S 2.8 sq-ft 0,26 m²	SG360S 3.9 sq-ft 0,36 m²
Link	Single, dampened, steel	Single, dampened, steel
	1410D	1710D
Model	CF772	CF710
Reach, Maximum	23-ft 7-in 7,2 m	32-ft 10-in 10 m
Length of Extension	54.7-in 1,39 m	165.4-in 4,2 m
Max. Load at Max. Reach	2,756 lb 1 250 kg	2,613 lb 1 185 kg

GROUND PRESSURE

1410D With Rated Payload

700	Front empty	Front Loaded
Standard Tires	7.4 psi 51 kPa	8.0 psi 55 kPa
With Bogie Tracks	5.1 psi 35 kPa	5.4 psi 37 kPa

600	Optional Tires	9.4 psi 65 kPa
With Bogie Tracks	5.7 psi 39 kPa	5.9 psi 41 kPa

700	Rear empty	Rear Loaded
Standard Tires	5.1 psi 35 kPa	14.6 psi 101 kPa
With Bogie Tracks	3.8 psi 26 kPa	8.7 psi 60 kPa

600	Optional Tires	17.1 psi 118 kPa
With Bogie Tracks	4.2 psi 29 kPa	9.9 psi 68 kPa

1710D With Rated Payload

750	Front empty	Front Loaded
Standard Tires	7.1 psi 49 kPa	7.7 psi 53 kPa
With Bogie Tracks	4.8 psi 33 kPa	5.1 psi 35 kPa

650	Optional Tires	8.7 psi 60 kPa
With Bogie Tracks	5.2 psi 36 kPa	5.5 psi 38 kPa

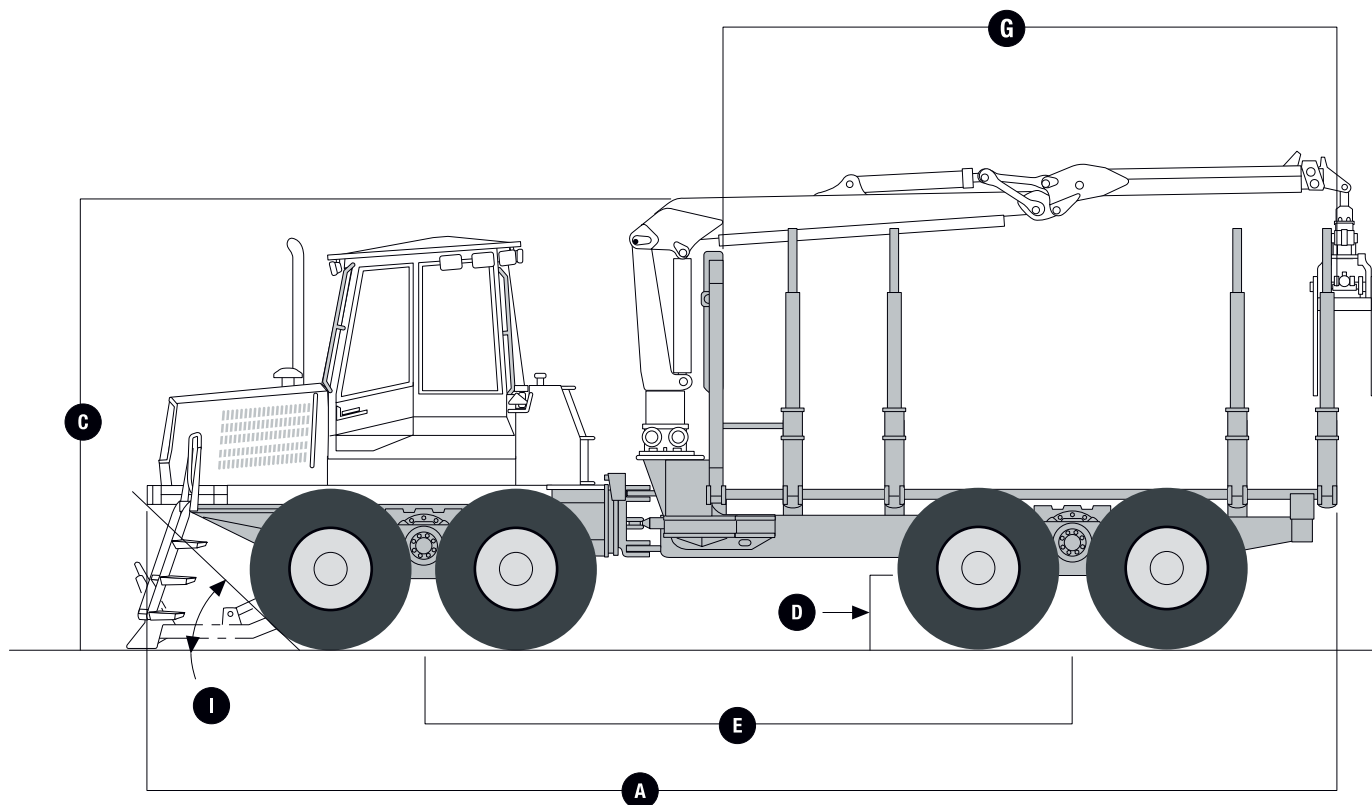
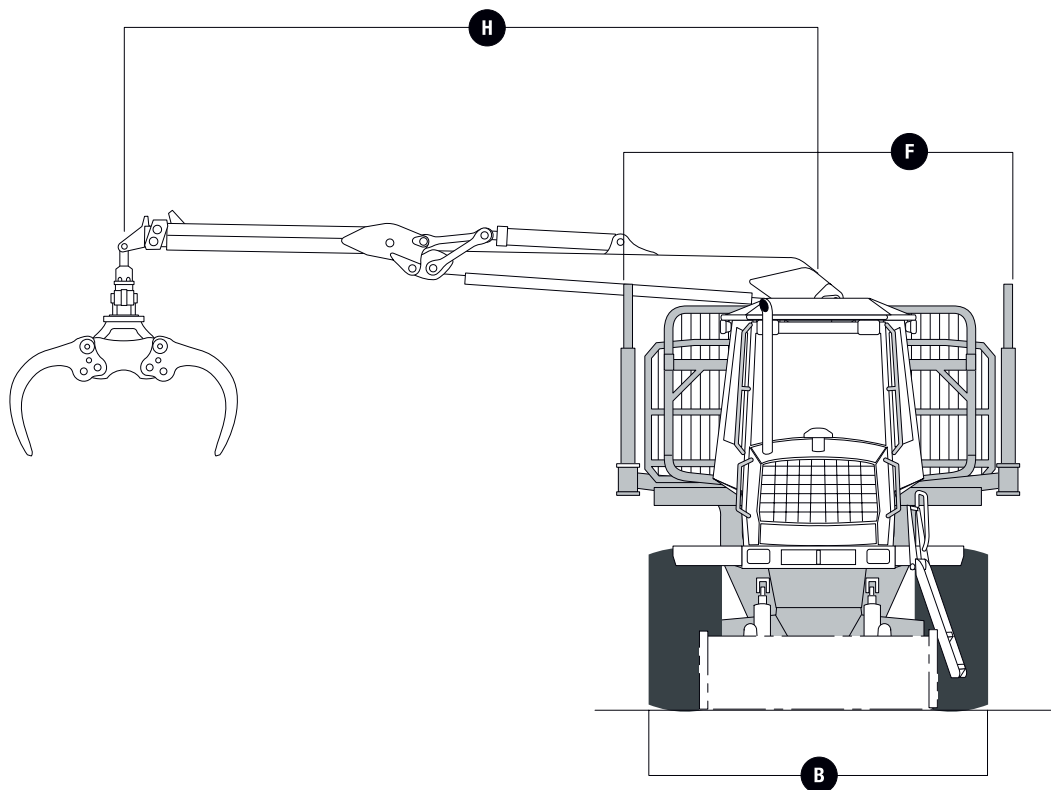
750	Rear empty	Rear Loaded
Standard Tires	5.1 psi 35 kPa	15.2 psi 105 kPa
With Bogie Tracks	3.8 psi 26 kPa	8.8 psi 61 kPa

650	Optional Tires	17.4 psi 120 kPa
With Bogie Tracks	4.1 psi 28 kPa	9.7 psi 67 kPa

WOOD BUNK	1410D	1710D
Deck Length	17-ft 10-in 5,4 m or 13-ft 10-in 4,2 m	18-ft 3-in 5,56 m
Load Stake Width	9-ft 1-in 2,76 m	9-ft 8-in 2,95 m
Optional	9-ft 10-in 3,0 m for 13-ft 10-in deck	
Maximum Cross Section	49.5 sq-ft 4,6 m²	58 sq-ft 5,4 m²
Optional	53.5 sq-ft 5,0 m² for 13-ft 10-in deck	
Headboard	Fixed with hydraulic extension	Fixed with hydraulic extension
Log Bunks	4 pair with 8 stakes, moveable	4 pair with 8 stakes, moveable
Payload	6.2 cords 22,4 m³ stacked	7.3 cords 26,3 m³ stacked
Optional	6.7 cords 24,4 m³ stacked for 13-ft 10-in deck	
Max. Load Rating	30,865 lb 14 000 kg	37,480 lb 17 000 kg

DIMENSIONS

A Length	34-ft 1-in 10,40 m	35-ft 7-in 10,85 m
Optional	30-ft 2-in 9,20 m	
B Width	700x26.5 tires 10-ft 0.8-in 3,07 m	750x26.5 tires 10-ft 5.6-in 3,19 m
	600x26.5 tires 9-ft 5.8-in 2,89 m	650x26.5 tires 10-ft 4-in 3,15 m
C Transport Height	12-ft 1-in 3,7 m	12-ft 10-in 3,9 m
D Ground Clearance	1-ft 11.8-in 60 cm	2-ft 4.7-in 73 cm
E Wheelbase	19-ft 2-in 5,85 m	19-ft 4-in 5,9 m
Optional	17-ft 2.7-in 5,25 m	
F Load Stake Width	9-ft 1-in 2,76 m	9-ft 8-in 2,95 m
Optional	9-ft 10-in 3,0 m	
G Length of Wood Bunk	17-ft 10-in 5,4 m	18-ft 3-in 5,56 m
Optional	13-ft 10-in 4,2 m	
H Reach, Maximum	23-ft 7-in 7,2 m	27-ft 11-in 8,5 m
Optional	27-ft 11-in 8,5 m	
	32-ft 10-in 10 m	
I Approach Angle	40 degrees	42 degrees



FORWARDERS

1010D 1110D 1410D 1710D



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