

SPECIFICATIONS



MODEL	R41 TRACTOR-TYPE CARRIER
ENGINE	
John Deere PowerTech™ PVS engine (Stage V compliant)	Base
Horsepower	179 kW / 240 hp
Power bulge	190 kW / 255 hp
Engine rated speed (field/road)	1,900-2,200 rpm / 1,900 rpm
Number of cylinders	6
Displacement	6.8 l
Automatic engine regenerating process	Base
Main power switch, including ON/OFF indication	Base
FUEL SYSTEM	
Fuel tank capacity	290 l
Diesel Exhaust Fluid (DEF) tank capacity	20 l
DRIVETRAIN	
Hydrostatic permanent 4 wheel drive	Base
QuadControl transmission 40 km/h: four hydraulic wheel motors (60 cc) with planetary gear hubs	Base
QuadControl HD transmission 40 km/h: four hydraulic wheel motors (80 cc) with planetary gear hubs	Option
QuadControl transmission 50 km/h*: four hydraulic wheel motors (80 cc) with planetary gear hubs	Option
*depending on countries	
Vmax transport mode (depending on drivetrain option, refer to local legislation)	0-40/50 km/h
Cruise control with stepless selection of target speed on joystick and antistall function	Base
Independent wheel slip control	Base (in combination with StarFire™ receiver)
Wheel motor shields	Base
Crop protection belly shields	Base
Backup alarm with acoustic warning signal	Base
OPERATOR STATION	
20 l hand wash tank	Base
Storage compartment, sealed and lockable	Base
Error free soft touch control panel & display	Base
HYDRAULIC SYSTEM (AUXILIARY FUNCTIONS)	
Closed centre, pressure and flow compensated system for auxiliary functions	Base
STEERING	
Automatic steering mode switching (selectable) controlled by buttons on armrest, floor pedal or HMS™ (Headland Management System)	Base
4 wheel coordinated	Base
4 wheel crab steer	Base
2 wheel for field operation	Base
2 wheel with transport lock	Base
Automatic rear wheel centering when switching to 2 wheel steering mode	Base
Turning radius (depending on tyre size and tread setting)	4.5 m
TIRE SIZES	
VF380/90R46*	Base
*contact your dealer for additional information	
(VF)480/80R46*	Option
*contact your dealer for additional information	
(VF)520/85R42*	Option
*contact your dealer for additional information	
620/70R38*	Option
*contact your dealer for additional information	
SUSPENSION	
XtraFlex Individual dual strut air spring suspension, automatic pressure adjustment, incl. deflate switch	Base
Travel distance	+10 cm / -10 cm
TREAD ADJUSTMENT	
Range of adjustment	0.70 m from 1.87 up to 2.88 m (depending on tyre size and drive train)
Manual tread adjustment	Base
Hydraulic tread adjustment	Option



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MODEL	R41 TRACTOR-TYPE CARRIER
CAB	
Deluxe cab	Base
Cloth adjustable air suspended seat with large back support and seat belt	
Standard instructor seat with seat belt	
Standard radio	
Rear view mirrors (RHS remote control)	
Halogen working lights	
Premium cab	Option
Leather adjustable air suspended heated/ventilated seat with large back support and seat belt	
Premium instructor seat with seat belt	
Bluetooth radio with 6 extra speakers and subwoofer	
Rear view mirrors (RHS and LHS remote control)	
LED working lights	
Leather steering wheel	Base
Dual tilt and adjustable narrow steering column	Base
CommandARM™ with Joystick: implement and tractor-type carrier functions	Base
John Deere Gen 4 4640 universal display armrest mounted	Base
AutoTrac™ ready (without AutoTrac™ activation)	Base
John Deere Section Control ready (without activation)	Base
PDU corner post display, indicates speed, engine rpm, fluids level, etc.	Base
Pressurized cab, heating and air conditioning and active carbon filtration Category 4 (EN 15695-1:2009, refer to local legislation)	Base
Remote control of ladder with automatic lift (driving) and lowering with parking brake ON	Base
JDLink™ (telematics), RDA and WDT ready (subscription needed)	Base
5 USB ports	Base
Smoker package in cab	Option
Field office in cab	Option
Beacon light(s)	Option
DIMENSIONS	
Total length (with 40i/50i sprayer installed*)	7.65 m (9.10 m)
*Longest dimension is the boom	
Max. transport width (with 40i/50i sprayer installed)	2.55 m (3.00 m)
Max. transport height (with 520/85R42 tires, beacon light removed)	3.95 m
Ground clearance (with 520/85R42 tyres)	1.00 m
Empty weight** (with 40i/50i sprayer installed including 5,000 litre water in main tank and 400 litre water in rinse tank)	11,315 to 12,015 kg (11,065 to 12,765 kg)
**R41 tractor-type carrier only ballasted	
Weight balance in transport mode (with 40i/50i sprayer installed including 5,000 litre water in main tank and 400 litre water in rinse water tank):	
Front axle	53% (46%)
Rear axle	47% (54%)
Weight balance in application mode boom unfolded 80 cm height with 40i/50i sprayer installed including 5,000 litre water in main tank and 400 liter water in rinse tank:	
Front axle	42%
Rear axle	58%



MODEL	40I SPRAYER	50I SPRAYER
APPLICATION SYSTEM		
Polyethylene tank with hinged tank lid 400 mm and basket strainer	Base	Base
Solution tank capacity (nominal volume)	4,000 l	5,000 l
Solution tank capacity (actual volume)	4,200 l	5,250 l
3" solution tank filling position at operator station	Base	Base
Dry solution tank level indicator	Base	Base
Digital solution tank level sensor with accurate tank level indication on cab and operator station	Base	Base
Agitation system with 5 hydro-injectors	Base	Base
Agitation ON/OFF control (manual and automatic based on tank level), automatic agitation intensity & power agitation	Base	Base
400 l rinse water tank with digital level indicator	Base	Base
Rinse water tank top fill position	Base	Base
3" rinse water tank filling position at operator station	Base	Base
20 l hand wash tank at operator station	Base	Base
30 mesh filling filter & 50 mesh pressure filter with drain taps	Base	Base
PowrFill 50 l chemical inductor hopper with jug rinse nozzle and spray gun	Base	Base
Clothing locker	Base	Base
Liquid transfer valve (without coupling)	Base	Base
Calibration container 2 l	Base	Base
APPLICATION PUMPS		
PowrSpray™ system with centrifugal application pump (1,000 l/min @ 3 Bar) and centrifugal fast fill pump (1,200 l/min)	Base	Base
Automatic tank fill stop to prevent overloading	Base	Base
AutoDilute system to prevent crop damage or environmental pollution while diluting	Base	Base
APPLICATION CONTROL SYSTEM		
Solution Command System, error free soft touch control panel & display for automatic filling, application and rinsing	Base	Base
John Deere automatic rate control system with pressure & flow based regulation	Base	Base
Direct rate control adjustment through pump speed: fast adjustment of application rate and agitation intensity	Base	Base
BOOM CONTROL		
Electro hydraulic height control with nitrogen accumulator, height range 50-250 cm	Base	Base
Electro hydraulic boom tilt with automatic center function	Base	Base
Electro hydraulic variable geometry with nitrogen accumulators	Base	Base
Boom return to height function	Base	Base
John Deere TerrainControl™ Pro (2 sensors)	Option	Option
John Deere TerrainControl™ Pro (4 sensors)	Option	Option
John Deere TerrainCommand™ Pro (3 sensors)	Option	Option
John Deere TerrainCommand™ Pro (5 sensors)	Option	Option
BOOM		
Double fold, three dimensional high strength steel booms	Base	Base
Double fold, three dimensional high tensile strength carbon fibre booms	Option	Option
Folding modes: AutoFast fold, Auto Sequential, individual segments in maintenance mode	Base	Base
Folding cylinders with end-stroke dampening	Base	Base
Ball and socket bearings in swivel points with grease points	Base	Base
Stainless steel application lines with quick-connect couplings	Base	Base
Bi-directional boom breakaway protection	Base	Base
Parallelogram, hydraulic height adjustment with a nitrogen pressure accumulator suspension and transport lock	Base	Base
Centre frame with vertical and horizontal boom suspension and pendulum lock (anti yaw)	Base	Base
5-way nozzle bodies with bayonet couplings for nozzle caps, protected within boom construction	Base	Base
ExactApply™ nozzle bodies with bayonet couplings for nozzle caps, protected within boom construction	Option	Option
Extremity nozzle (LHS/RHS), includes both edge and off-center nozzle functionalities	Option	Option
Pressure Recirculation System with pneumatic nozzle shut-off	Base	Base
Full pressurized liquid circulation through application lines including liquid supply from both directions in application mode	Base	Base
Pre-programmable liquid recirculation pressure	Base	Base
BOOM LAYOUT		
24/12 m (8 sections: 3-3-3-3-3-3-3-3)	Base	Base
27/15 m (9 sections: 3-3-3-3-3-3-3-3-3)	Option	Option
28/15 m (8 sections: 3-4-4-3-3-4-4-3)	Option	Option
30/15 m (9 sections: 3-4.5-3-3-3-3-4.5-3)	Option	Option
32/18 m (8 sections: 4-4-4-4-4-4-4-4)	Option	Option
33/18 m (11 sections: 3-3-3-3-3-3-3-3-3-3-3)	Option	Option
36/18 m (9 sections: 4-4-4-4-4-4-4-4-4)	Option	Option
36/18 m (12 sections: 3-3-3-3-3-3-3-3-3-3-3-3)	Option	Option
36/24/18 m (12 sections: 3-3-3-3-3-3-3-3-3-3-3-3)	Option	-
36/18 m carbon fibre (9 sections: 4-4-4-4-4-4-4-4-4)	Option	Option
36/18 m carbon fibre (12 sections: 3-3-3-3-3-3-3-3-3-3-3-3)	Option	Option
APPLICATION SPEED		
Vmax application mode (with steel booms)	0-25 km/h	0-25 km/h
Vmax application mode (with carbon fibre booms)	0-30 km/h	0-30 km/h
ACCESSORIES		
3" 9 meter filling hose	Option	Option
Brush with hose reel	Option	Option
Onboard high pressure washer (100 bar) with self retractable hose reel	Option	Option
Mud flaps at front & rear fenders	Option	Option
Rear view camera with automatic triggers	Option	Option
DIMENSIONS		
Max. total length when installed on R41	9.10 m	9.10 m
Max. width (transport)	3.00 m	3.00 m
Max. height (transport when installed on R41)	2.4 m (3.95 m)	2.6 m (3.95 m)
Empty weight	3,050 to 4,000 kg	3,100 to 4,050 kg

